Volume 161 No. 9

Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

March 3 1952

"AA Quality" Chemicals

Backed by over 85 years' experience, AA QUALITY Chemicals are noted for purity and uniformity. Inquiries solicited

—your particular needs will receive prompt, co-operative attention. AA QUALITY Chemical products include:

TRISODIUM PHOSPHATE • DISODIUM PHOSPHATE, Crystalline
PHOSPHORIC ACID 75% Food Grade
PHOSPHORIC ACID 85% N. F. Grade
PHOSPHORUS PENTASULPHIDE • PHOSPHORUS SESQUISULPHIDE
PHOSPHORUS RED AMORPHOUS
AMMONIUM, MAGNESIUM and ZINC FLUOSILICATE
PHOS-FEED® (Calcium Phosphate Mineral Mixture)

PHONE OR WRITE CHEMICAL SALES DIVISION
The AMERICAN AGRICULTURAL CHEMICAL Co.
50 Church Street, New York 7 • BArclay 7-1400
P. O. Drawer 2458, Detroit 31, Mich. • Vinewood 2-0146

ACETIC ACID
METHANOL
DENATURED ALCOHOL
FORMALDEHYDE

WM. S. GRAY & CO.
342 MADISON AVENUE, NEW YORK 17, N. Y.
Cable Address: GRAYLIME Phone MUrray Hill 2-3100

RECEIVED MAR 3 1952 THE CHEMISTS' CLUB LIBRARY

PENTALENES
(Amylnaphthalenes)

For additional information, write to Dept. O:

Sharples Chemicals Inc. PHILADELPHIA • CHICAGO • NEW YORK

HIGH QUALITY
SODIUM SULPHATE
(Rayon Grade)

PACKED IN 100-LB. BAGS

PRIOR CHEMICAL CORPORATION • NEW YORK
420 Lexington Avenue
CABLE: PRIORCHEM NEW YORK
PHONE: LExington 2-9811

Baker AMMONIUM SULFATE
of extreme purity

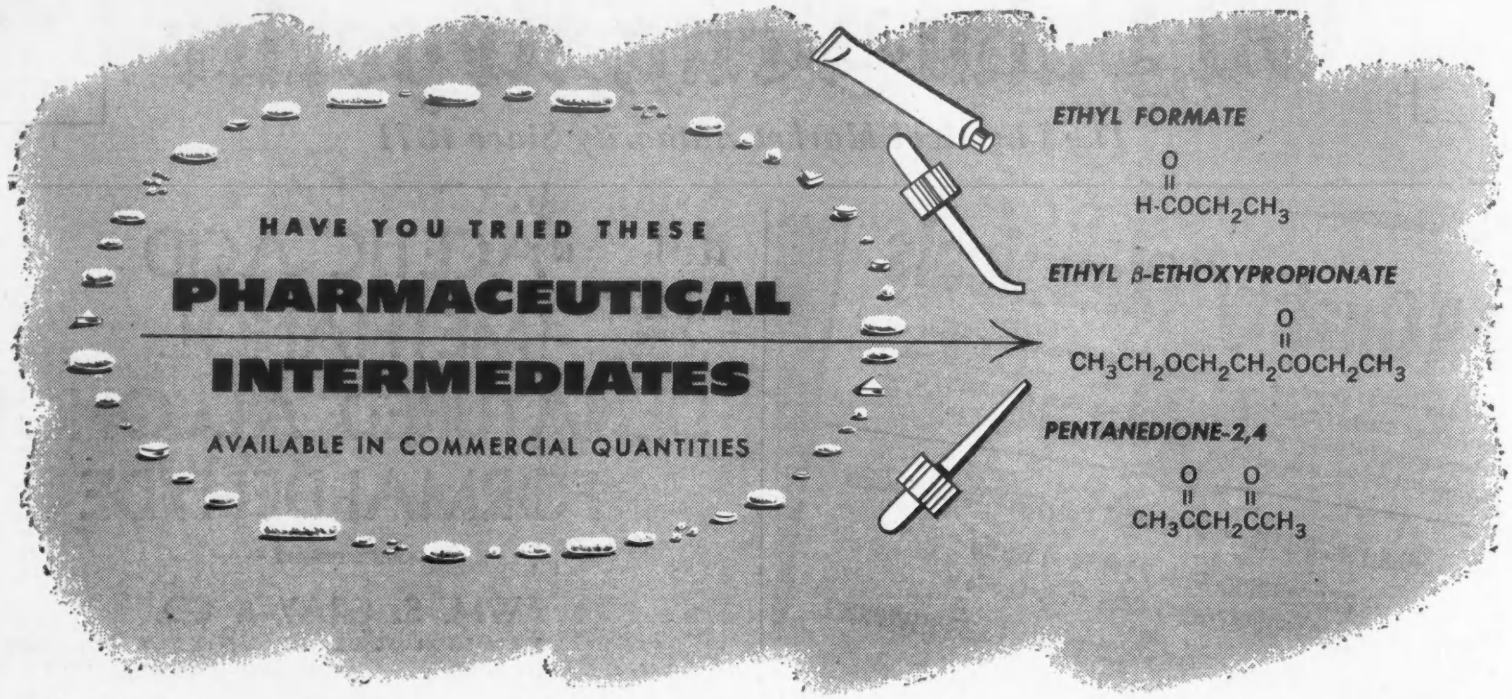
J. T. Baker Chemical Co. Phillipsburg, N. J.
NEW YORK • PHILADELPHIA • LOS ANGELES • BOSTON • CHICAGO

EVERY FORM OF BORATES FOR EVERY POSSIBLE USE
BORAX
PACIFIC COAST BORAX CO.
DIVISION OF BORAX CONSOLIDATED LIMITED
NEW YORK • LOS ANGELES • CLEVELAND • CHICAGO
BORIC ACID
Technical and U. S. P.: GRANULAR, CRYSTAL, POWDERED, IMPALPABLE
Special Quality (C. P. +): GRANULAR, POWDERED
MANUFACTURERS OF FAMOUS 20 MULE TEAM PACKAGE PRODUCTS

OTHER BORATES
BORAX 5 MOL . . . a form of Sodium Tetraborate, newly available . . . send for special bulletin.
ANHYDROUS BORAX
BORAX GLASS
ANHYDROUS BORIC ACID
AMMONIUM BIBORATE
AMMONIUM PENTABORATE
POTASSIUM PENTABORATE
SODIUM METABORATE
ANHYDROUS RASORITE*
RASORITE SPECIAL CONCENTRATES*
FERTILIZER BORATES*
(Regular and High Grade)
*Sodium Borate Concentrates

HERBICIDES
BORASCU® * . . . BORASCU 44*
CONCENTRATED BORASCU*
POLYBOR®
POLYBOR-CHLORATE 88®

Information, Bulletins, Quotations, Sent Promptly on Request

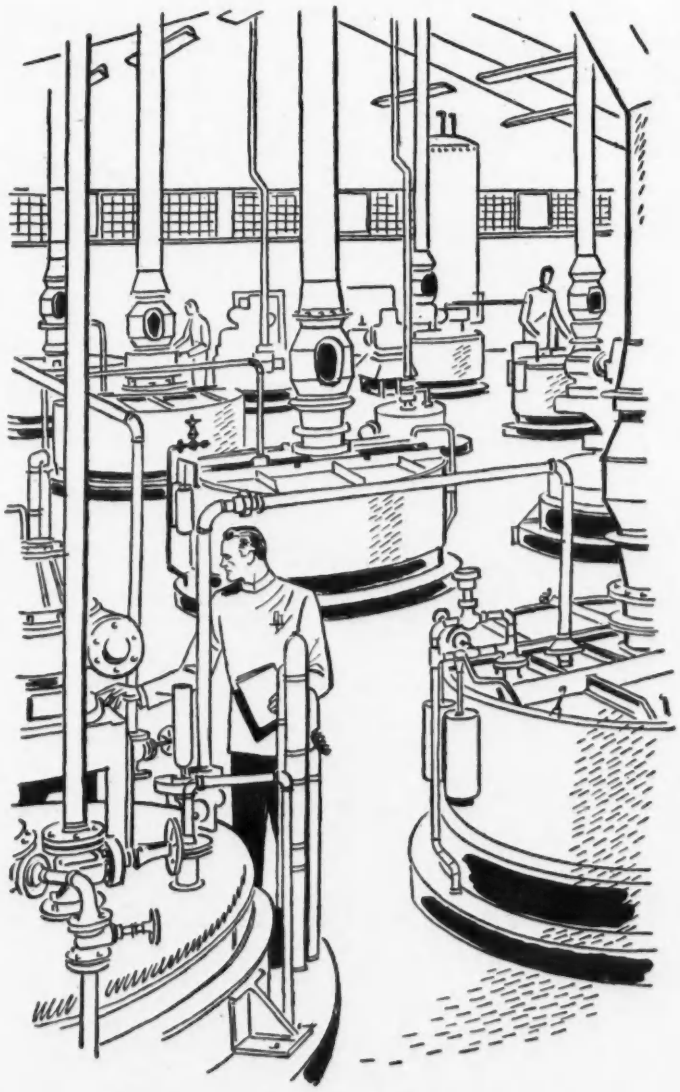


ETHYL FORMATE . . . intermediate in the synthesis of vitamin B_1, sulfadiazine, and sulfamerazine.

ETHYL β-ETHOXYPROPIONATE . . . important raw material for manufacture of vitamin B_1.

PENTANEDIONE-2,4 . . . raw material in the synthesis of 2-amino-4,6-dimethyl pyrimidine, an intermediate for making sulfamethazine.

These chemicals have many other potential uses as pharmaceutical intermediates. All three are available now in commercial quantities for your development or commercial production. For samples and further information, call or write us *today*.



CARBIDE AND CARBON CHEMICALS COMPANY

A Division of
Union Carbide and Carbon Corporation
30 East 42nd Street UCC New York 17, N. Y.

Offices in Principal Cities
In Canada:
Carbide and Carbon Chemicals, Limited, Toronto

You may be interested in testing these other CARBIDE intermediates and solvents for pharmaceuticals.

Acrolein—methionine and folic acid syntheses
Diethyl CARBITOL—inert reaction medium
Methyl Ethyl Pyridine—synthesis of nicotinic acid

The term "Carbitol" is a registered trade-mark of Union Carbide and Carbon Corporation

Oil, Paint and Drug Reporter

FEB 3 52

Volume 161 No. 9 | 30 Church Street, New York 7, N. Y. | March 3, 1952

DPA Tax Certificates To Spur New Projects

During the period January 28 through February 2, the Defense Production Administration approved 214 new tax amortization certificates covering expansions in industrial production, including several expansions in the area of the chemical industry, the agency announced February 28.

With these approvals, accelerated amortization has now been authorized for 6,522 new or expanded facilities. The total amount of the proposed investment in these facilities to date is $13,793,573,000, of which $8,819,458,000, or approximately 67 percent was certified for rapid tax write-off. Plant expansions in the area of the chemical industry, which were among the latest approvals of the agency, were as follows:—

Coke ovens—Jones & Laughlin Steel Corporation, Pittsburg, Pa., $22,953,300 to be invested and 85 percent of $22,755,200 certified for rapid amortization.

Cyclohexane—Phillips Petroleum Company, Phillips, Tex., $160,310 to be invested, granted accelerated amortization on 90 precent of $136,210, 40 percent of $8,250, and 15 percent of $1,255.

Naphthalene—Koppers Company, Follansbee, W. Va., $267,000 invested, of which 60 percent is eligible for rapid ortization; Allied Chemical & Dye Corporation, Detroit, Mich., $1,012,000 invested of which 60 percent is eligible for rapid amortization; a second Koppers project at Fontana, Calif., $2,425,800 invested of which 60 percent is eligible for rapid amortization.

Oxygen—Dye Oxygen Company, Phoenix, Ariz., $90,000 invested, of which 45 percent is eligible for rapid amortization.

Tropical bleach—Pennsylvania Salt Manufacturing Company, Deleware, Ohio, $282,862 invested of which 70 percent is eligible for rapid amortization.

Yellow iron oxide—American Pigment Corporation, Pulaski, Va., $94,052 invested of which 60 percent is eligible for rapid amortization.

Zinc ore—The New Jersey Zinc Company, Austinville, Va., $1,727,000 invested and rapid amortization granted on 60 percent of $1,103,440.

Senate Confirms McDonald

The senate confirmed the nomination of Harry A. McDonald to be director of the Reconstruction Finance Corporation February 26. Mr. McDonald succeeds W. Stuart Symington, who resigned February 15. He formerly was chairman of the Securities and Exchange Commission, and has been succeeded in that post by Donald C. Cook, vice-chairman.

Coal Chemicals Price Regulation Extended

The Office of Price Stabilization has extended to May 31 the expiration date of Supplementary Regulation 13 to the General Ceiling Price Regulation, which permits producers of all grades of coke, coal chemicals and cokeoven gas to adjust their ceiling prices to reflect increased delivered costs of raw materials.

SR 13 would have expired February 29. OPS officials said that they had expected to have a permanent regulation by that date but they find that additional time is needed to complete its preparation. The action, contained in amendment 7 to SR 13, simply extends the expiration date. It does not extend cut-off dates for specific provisions of the regulation. Therefore, the provision permitting producers to recover the increases in delivery costs of raw materials carbonized and processed does not apply to increases incurred after December 31, 1951.

DMPA Signs Nickel, Cobalt Pact With Canadian Company

The Defense Materials Procurement Agency announced February 28 that it has entered into a contract with Falconbridge Nickel Mines, Ltd., Toronto, Canada, for the purchase of 50,000,000 pounds of Canadian nickel over the next nine years. Purchase of up to 1,500,000 pounds of cobalt is also included in the contract.

The agency said that additional options in the contract provide for possible sale of 25,000,000 pounds of copper and an additional 25,000,000 pounds of nickel during the life of the agreement. The company has agreed that until the end of 1956 not less than 40 percent of its entire production of nickel and cobalt will be offered to the American market.

The basic price to be paid for the nickel is 56.66 cents per pound, f.o.b. vessel, Kristiansand, Norway, which may be varied up or down in the event of future fluctuations in the quoted market price. Cobalt will be bought at $1.80 per pound, or the current quotation, whichever is higher. Sales of electrolytic copper in cathode form, if tendered, will be at 19 cents per pound. DMPA said that the government is advancing $6,000,000 to the Canadian firm for expansion of its production capacity.

US Establishes New Criteria To Rule Nitrogen Expansion

A set of criteria has been drawn up by the National Production Authority and the Defense Production Administration in passing upon applications of industry to build new plants for the production of nitrogen, it was disclosed at a meeting of the nitrogen industry advisory committee with the NPA February 26.

The guides became necessary, it was indicated, when the industry showed a desire to expand production of nitrogen far beyond that goal that had been urged by the government. Because of the limited amount of scarce materials that can be allotted to this construction at this stage of the defense program, those projects which fall within the desired pattern proposed by the Department of Agriculture will receive first approvals.

It was disclosed at the meeting that twenty-three applications have been filed for rapid tax amortization certificates, which propose to increase the capacity of the industry by more than 1,000,000 tons, as compared with the 431,000-ton goal set by the DPA as needed to meet estimated nitrogen requirements by 1955.

DPA Nitrogen Goal

DPA announced on January 4, 1952, a domestic nitrogen production goal of 2,930,000 tons. The goal represented an expansion of 1,390,000 tons over the industry's capacity in 1950 and called for 431,000 tons of production in addition to that presently under construction or planned. The establishment of the goal, NPA explained, permits the DPA office of chemical expansion and the NPA chemical division to consider certificates of necessity for rapid amortization as a means of encouraging further expansion.

In outlining the criteria which will be used in determining the order of preference to be given the applications, NPA told the committee that the major criteria would be (1) preference would be given nitrogen-producing plants to be erected in areas where Department of Agriculture surveys indicate a deficit in availability of nitrogenous materials, and (2) preference would be given plants planning to produce urea or other solid nitrogenous materials as compared with anhydrous (liquid) ammonia in acocrdance with the Department of Agriculture's recommendation of preference for the solid forms.

Other Criteria

Other criteria follow:—Experience in the production of chemicals and in allied processing operations, opportunity for small business participation, conservation of natural resources and date of filing.

More than enough anydrous ammonia to meet 1955 requirements will be produced by present and proposed new and expanded facilities, a Department of Agriculture spokesman said. He said that only 120,000 tons of additional liquid ammonia is needed to meet the department's expected additional annual requirements for agricultural nitrogen in 1955.

An industry spokesman said that the use of liquid ammonia for direct application as a fertilizer has been increasing rapidly in recent years. Consumption increased from 36,000 tons in 1948 to 107,000 tons in 1951. He pointed out that if consumption continues to rise at the same rate, about 440,000 tons of liquid ammonia would be consumed in 1955.

Production Act Extension Hearings Start Tomorrow

The senate banking committee plans to start hearings tomorrow on bills for extending the defense production act and has announced that every effort will be made to report a bill to the senate on March 31. No date has been fixed for start of hearings by the house banking committee, but it is tentatively planned to get them under way about March 10.

The senate committee has two bills for its consideration. One would extend the law for one year, with similar extensions for rent control and the Smaller Defense Plants Administration. The other follows the recommendations of the President and calls for a two-year extension of the law and repeal of the Capehart and Herlong amendments. It appears unlikely, however, that the Truman proposal will win the support of the committee.

A strong tide of sentiment is running through the senate and the house in favor of relaxation rather than tighter controls over materials and prices, and consideration is being given on both sides of the Capitol to means of accomplishing this end without impairing the anti-inflation program or the needed controls over materials necessary for defense production.

Although the Office of Price Stabilization now has a special group set up to consider the decontrol of commodities under price ceilings, both the senate and house committees, nevertheless, are studying means of making decontrol mandatory. They are trying to devise a provision by which commodities would automatically be free from price control when the price drops a certain percentage below the ceiling, and would go back under control when the price rose a certain percentage above the ceiling.

Consideration is also being given in the house committee to a proposal under which any firm which does not do more than $50,000 worth of business a year shall be exempt from price control.

Sulphur, Sulphuric Acid Export Quotas Announced

The Office of International Trade has set up an export quota of 230,000 long tons of crude sulphur for the second quarter of this year, it was announced by the agency February 28 in current export bulletin 660. This is the second part of the six-month export quota of 465,000 tons announced by the agency in January. A quota of 235,000 tons had been previously established for the first quarter.

It was also announced by OIT that the export quota on sulphuric acid will be the same for both the first and second quarters, 400 short tons. This is a reduction of fifty short tons, however, from the fourth quarter, 1951, export quota when a quantity limit was first placed on outgoing shipments. The quota for refined sulphur for the first and second quarters is the same as for the fourth quarter, 7,500 long tons.

OIT also announced that the second quarter export quota for polyethylene is 978,000 pounds and for zinc products, including dust, sheets, alloys, castings and battery cells, the quota is 2,350 short tons.

Aluminum Output Increase At Tacoma Planned by Kaiser

The Kaiser Aluminum & Chemical Company has announced plans to expand its primary aluminum plant capacity at Tacoma, Wash., by about one-third. Approval has been given by Defense Production Administration to a tax amortization certificate covering $2,850,000 of the cost of the expansion, the company said. With these additions to its facilities, plus those already underway at Spokane, Wash., and New Orleans, La., the company's primary aluminum capacity will be 137 percent over that of 1950.

FDA Seen Seeking Curbs On Chemicals in Cosmetics

Recommendations that the law be tightened on the use of chemicals in the manufacture of cosmetics are expected to be made to the Delaney committee of the house this week by Charles W. Crawford, Commissioner of the Food and Drug Administration.

Mr. Crawford is tentatively scheduled to testify before the committee, which is investigating the use of chemicals in foods and cosmetics, on March 6 at which time the committee is expected to wind up its studies and begin the preparation of a report to the house.

Early during the committee's probe in 1950, Mr. Crawford testified on the addition of chemicals to foods and proposed that the FDA act be amended so as to apply the "new drug" principles of that law to the addition of chemicals to foods. It is understood that he will recommend that this principle also be extended to cosmetics.

FTC Asks Congress for Stronger Clayton Act Enforcement Power

The Federal Trade Commission recommended to congress February 29 that the Clayton act be amended in two respects to make the anti-monopoly purposes of the act more effective and to correct deficiencies demonstrated in the course of the enforcement of the statute.

The recommendations, which were contained in the commission's annual report, propose an amendment to section 8 on interlocking directorates so as to make it unlawful for an officer of one concern to be a director of a competing concern, and to section 11 so as to give the same degree of finality, and apply the same penalties, to cease-and-desist orders as are provided for other orders of the commission.

The commission said that the amendment to section 11 is needed to insure effective enforcement of the statutory prohibition against monopolistic mergers, competition-stifling exclusive dealing contracts, unjust discriminations in price, services, or facilities, and certain types of interlocking directorates.

It is proposed specifically that its orders under the Clayton act become final sixty days after service on the respondent unless court review is sought within that time. In case of review, the order would become final after affirmance by a court of appeals or the supreme court. At the present time, a Clayton act order has no force or effect without subsequent enforcement.

Commissioner Lowell B. Mason refused to join in this recommendation of the commission, claiming that the past record of the commission's efforts to enforce the Clayton act shows that the impetus to secure finality of its orders lies in the field embraced by the Robinson-Patman act amendments. Before giving finality to such orders, he said, congress should first take stock of the act. He questioned whether the objectives of the act are sound or whether the commission and the courts have interpreted the law in harmony with what congress intended.

Cryolite Exports Curbed

Validated licenses are now required for the exportation of cryolite in either natural or artificial forms to any country group O destinations, it has been announced by the Office of International Trade. The action was effective March 1 along with reduction in the small order exemption limit from $100 to $10 per shipment. Heretofore, validated licenses were required for cryolite exports only in the case of shipments to country group R destinations.

Chemical price trend data, usually carried on this page, will now be found on page 4.

Sulphur, Sulphuric Acid Filing Now Under New NPA Procedure

New reporting forms must now be filed by all consumers and suppliers of sulphur and sulphuric acid as a result of amendments made to the sulphur order (M-69) and the sulphuric acid order (M-94), which became effective February 28. The reporting requirement supplements action taken by the National Production Authority on December 29, 1951, when these two orders were issued.

O. V. Tracy, director of NPA's chemical division, said that the information sought by the new reporting forms is needed to most effectively administer the two orders. These orders impose limitations on consumers and suppliers of sulphur and sulphuric acid so that certain essential and defense requirements can be met in full.

The following uses of sulphur and sulphuric acid are presently being fully-supported by NPA:—Production of aviation gasoline, military explosives, synthetic rubber, rubber products, pesticides, crop-dusting sulphur, carbon bisulphide, grain fumigants and metals, operation of cokeovens, processing of metals, maintenance of health and public safety, and for the Atomic Energy Commission.

The amendment to M-69 requires every person who uses more than twenty short tons of sulphur in any calendar month to file a monthly report with NPA on forms NPAF-157 and NPAF-158. Reports for December, 1951, and January, 1952, are to be filed as soon as possible. Subsequent monthly reports must be filed on the fifteenth day of each month.

Suppliers of sulphur must file monthly reports of sales, production, imports, shipments and stocks with the Bureau of Mines on Bureau of Mines forms 6-1230-M and 6-1238-M. Reports for January, 1952, are to be filed as soon as possible. Subsequent reports are due on the tenth day of each succeeding month. Consumers of sulphuric acid are required to file the following monthly reports:—NPAF-161, consumer's report of end-use; NPAF-160, consumer's report of inventory and receipts, and NPAF-159, consumer's report of uses in calendar years 1950 and 1951.

Mr. Tracy pointed out that all users of sulphuric acid are required under M-94 to provide their suppliers with a statement, attached to their monthly order, certifying the purposes to which the acid will be used in terms of end-uses as listed in the instruction accompanying form NPAF-161. All end-uses requiring more than twenty tons of sulphuric acid a month must be certified. Proposed end-uses, each which require less than twenty tons, may be lumped and described as "small orders."

The consumer's report of uses during the calendar years 1950 and 1951 was previously forwarded to consumers and its return was required by February 20. The consumer's report of inventory and receipts is a monthly reporting form.

House Groups Advance Fair Trade Legislation

The probabilities of fair trade legislation being passed by the house this session were greatly enhanced last week when both the house interstate commerce committee and subcommittee of the judiciary committee voted favorable reports on pro-fair trade bills. The actions were taken after extended hearings by both committees.

The legislation is an outgrowth of the supreme court decision last year in the Schwegmann case in which the court held that the non-signer clause of the state fair trade laws is invalid. The bills considered by the house committees would nullify this decision by making it necessary for a manufacturer to have a price maintenance contract with only one of his retailers to make the contract binding with all other retailers within the state.

Although the aims of the bills are the same, they differ in language. The bill reported by the interstate commerce committee is the so-called McGuire bill (H. R. 5767) and is an amendment to the Federal Trade Commission act. The bill to be reported by the judiciary committee is an amendment to the Sherman act.

There is no date set for consideration of the legislation on the floor of the house, but this will be decided later by the leadership. The prospects are that the rules committee will be asked to provide a special rule for house action on the legislation and fix a time limit on debate.

Olive Oil Price Support Program Outlined by CCC

Details of the 1951 crop olive oil price support program were announced by the Commodity Credit Corporation February 27. Under the program, CCC has agreed to support the price at $2.50 a gallon for olive oil, US grade A containing not more than 1 percent free fatty acid, and at $2.25 a gallon for US grade A oil containing more than 1 percent but not more than 1.4 percent free fatty acid.

Price support will be available to olive producers through purchase agreements and non-recourse loans on olive oil stored in approved farm storage or stored in approved warehouses. The program will be available in the state of California and Arizona and purchase agreements and loan documents covering the oil will be accepted by the Production and Marketing Administration county committees through April 30, 1952. The loans mature December 31, 1952.

Isonicotinic Acid Production Increase Planned by Reilly

Reilly Tar & Chemical Company, Indianapolis, Ind., announced last week it is constructing a new plant there for the synthetic production of isonicotinic acid. Basic raw material for the acid, gamma picoline, is manufactured in the company's Cleveland, Ohio, plant, which is being expanded to meet the needs of the stepped-up isonicotinic program.

Among the new drugs to come out of research on the coaltar chemical are isonicotinyl hydrazine, made by Hoffmann-LaRoche, Inc., and isopropyl isonicotinyl hydrazine, made by E. R. Squibb & Sons. Both these drugs were revealed two weeks ago as reportedly showing some promise in the treatment of tuberculosis.

Hooker Co. Names Taylor General Developments Mgr.

Donald L. Taylor has been appointed manager of general developments in the development and research department of Hooker Electrochemical Company, Niagara Falls, N. Y. He will be concerned with general expansion of the company's operations such as investigation of new plant sites, raw material surveys, and other studies of a general economic nature.

Mr. Taylor has been with the company since 1936 as a chemical engineer and project leader. Previously, he was a research chemical engineer in the nitrogen division of Solvay Process Division of Allied Chemical & Dye Corporation.

Corn Products Vice-Pres.

Harold Francis has been elected a vice-president and has also been named general sales manager for the eastern division of Corn Products Sales Company, New York. Mr. Francis started his career with Corn Products in the New York sales department in 1914. After World War I, he was transferred to the Pittsburgh, Pa., branch office and in 1927 became branch manager there. In 1945 he was made branch manager of the Chicago office and two years later he came to New York as assistant division manager.

Calcium Para-aminosalicylate Price List Issued by Calco

The pharmaceutical department of the Calco Chemical Division of American Cyanamid Company, Bound Brook, N. J., last week announced a price schedule on its new product, calcium para-aminosalicylate, as follows:—1,000 pounds, $7 per pound; 500 pounds, $7.05; 100 pounds, $7.15, and twenty-five pounds, $7.50. These prices, effective March 1, are f.o.b. Bound Brook, St. Louis, Chicago, Los Angeles and San Francisco, with minimum transportation allowed to Metropolitan New York and Philadelphia.

Monsanto Heavy Chemicals Sales Managership to Smith

Andrew L. Smith has been appointed heavy chemicals sales manager of Monsanto Chemical Company's Merrimac Division, Everett, Mass. A member of the firm's Cleveland sales force, Mr. Smith joined the Merrimac staff March 1.

Price Trend Still Downward

Weakness in prices continued to plague the markets for chemicals, oils and drugs last week and the overall index number dropped another 0.7 point. It was 10.5 points below that of the corresponding time last year.

Except for a few scattered items, most materials were in good supply, and demand, in many cases, spotty, was quickly accommodated. Previous shortages were being overcome and more and more producers were showing concern over growing inventories.

Price changes during the week were as follows:—

Prices Advanced

Anise, star, afloat, 7c. per lb.
Apricot kernel oil, 8c. per lb.
Bois de rose oil, 10c. per lb.
Bordeaux mixture, 1-lb. pkgs., c.l., 1.1c. per lb.
Cassia, Batavia, longstick, ½c. per lb.
China, broken, 1c. per lb.
Saigon, broken, 1c. per lb.
medium, 1c. per lb.
Clove, Zanzibar, afloat, 2c. per lb.
Cocoa butter, 3½c. per lb.
Cumin seed, Indian, ½c. per lb.
Iranian, ½c. per lb.
DDT, 4c. per lb.
Diphenyl oxide, 3c. per lb.
Lavandin oil, 35c. per lb.
Lead arsenate, 1-lb. pkgs., c.l., 2c. per lb.
Peanut oil, crude, ¼c. per lb.
Phenol, 90-92%, ½c. per lb.
82-84%, ½c. per lb.
Poppy seed, Argentine, ¼c. per lb.
Quicksilver, $6 per flask.
Sage oil, clary, $2 per lb.
Tapioca flour, ¼c. per lb.
Vermilion red, 1c. per lb.
Vetiver oil, Bourbon, $1 per lb.

Prices Reduced

Babassu oil, 1c. per lb.
Beeswax, crude, African, 1c. per lb.
Bergamot oil, Italian, 50c. per lb.
Blood, dried, 75c. per unit of ammonia.
Cananga oil, native, 65c. per lb.
rectified, $1.10 per lb.
Carnauba wax, N. C., No. 3, crude, 1c. per lb.
Yellow, No. 1, 1c. per lb.
No. 2, 1c. per lb.
Casein, acid-precip., imp., 2¾c. per lb.
Citronella oil, Java, 20c. per lb.
Coconut oil, Atlantic ports, ⅛c. per lb.
Pac. Cst., ⅝c. per lb.
Copra, $17.50 per ton.
Coriander seed, Moroccan, ½c. per lb.
Corn oil, ¼c. per lb.
Cottonseed oil, ¼c. per lb.
Cumin seed, Moroccan, 2c. per lb.
Dillseed oil, $2.80 per lb.
Egg albumen, edible, 4c. per lb.
tech., 3c. per lb.
Fenugreek seed, Moroccan, ¼c. per lb.
Tunisian, 1c. per lb.
Geranium oil, Bourbon, 65c. per lb.
Ginger root, African, 2c. per lb.
Cochin, 1c. per lb.
Jamaican, No. 3, 2c. per lb.
Rhatton, 8c. per lb.
Nigerian, split, 3c. per lb.
Grease, house, ¼c. per lb.
white, ⅛c. per lb.
yellow, ⅛c. per lb.
Juniper tar, 3c. per lb.
Lard, ½c. per lb.
Linseed oil, ½c. per lb.
Mace, West Indian, 3c. per lb.
Menthol, Brazilian, 25c. per lb.
Chinese, 25c. per lb.
Molasses, blackstrap, New Orleans, ½c. per gal.
Naphthalene, crude, imp., ½c. per lb.
Nutmegs, East Indian, 4c. per lb.
splits, 3c. per lb.
West Indian, 1c. per lb.
Paprika, Spanish, new crop, 2c. per lb.
Pennyroyal oil, 5c. per lb.
Pepper, black, spot, 6c. per lb.
Poppy seed, Czech, ½c. per lb.
Dutch, ½c. per lb.
Turkish, ¼c. per lb.
Rice bran oil, 1c. per lb.
Sage, Italian, officinalis, 1c. per lb.
Shellac, lemon, No. 1, 1c. per lb.
No. 2, 2c. per lb.
Superfine, 1c. per lb.
Soybean oil, ½c. per lb.
Tallow, ¼c. per lb.
Tankage, 75c. per unit of ammonia.
Tumeric root, Alleppey, 2½c. per lb.
Tung oil, ¼c. per lb.
Vanilla beans, Mexican, whole, 50c. per lb.
cuts, 75c. per lb.
Bourbon, 10c. per lb.
Vetiver oil, Haitian, $1.50 per lb.

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

Feb. 29, 1952	Feb. 22, 1952	July 1, 1950	Mar. 2, 1951
143.4	144.1	121.1	153.9

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1952	1951	1947	1946	1941
January	146.6	150.8	150.9	135.3	107.3
February	144.7	153.3	151.9	135.4	110.3

Amsco Appoints Newman Wax Department Manager

American Mineral Spirits Company, Chicago, has appointed John E. Newman manager of its wax department. In his new post, Mr. Newman will be engaged in organizing Amsco's new wax department for the marketing of petroleum waxes produced by The Pure Oil Company. He will make his headquarters at the company's New York offices.

DCAT Speaker Selected

Gov. Theodore R. McKeldin, of Maryland, will be guest speaker at the twenty-sixth annual dinner of the Drug, Chemical and Allied Trades Section of the New York Board of Trade, to be held at the Waldorf-Astoria March 6. His topic will be, "What Is Our Goal?"

Contents of This Issue

Alcohol Withdrawal Rules Eased..... 53
Aluminum Production Increase Planned..... 3
Amsco Appoints Newman..... 4
Antara Making Dye-Sequestering Agent..... 5
Antara Post to Nunn..... 47
API Issues Tankcar Code..... 45
Armstrong to Export Paint..... 70
Bemis Elects Two..... 48
Boston AIChE Tech. Symposium Apr. 16..... 48
Calcium Para-aminosalicylate Price List Is. 4
CCDA Outlines Meeting Agenda..... 7
Chemical Wage-Hour Violation Record High. 5
CMRA Gives Chemical Industry Statistics... 7
Coal Chem. Price Regulation Extended..... 3
Consolidated Elects Bond..... 39
Copper Contract Signed..... 48
Cowles Honors Bassett..... 40
Cryolite Exports Curbed..... 3
DCAT Speaker to McKeldin..... 4
DDT Sought for Burma..... 43
Detrex Appoints Emmett..... 40
Dewey & Almy Appoints..... 71
Dexter Buys Lake Chemical..... 39
DMPA Signs Nickel, Cobalt Pact..... 3
DPA Tax Certificates to Spur New Products. 3
Fair Trade Legislation Advanced in House.. 4
Falk Appoints Two..... 74
FDA Seeks Cosmetic Chemical Curb..... 3
Francis Elected Corn Products V.P..... 4
Galvanizers Meeting Set..... 7
Gen'l Mills Names Andrews..... 5
Guthmann in New York..... 53
Hardesty Appoints Carlin..... 74
Hooker Names Taylor..... 4
Huber Offering New Carbon Black..... 70
India Dedicates New Fertilizer Unit..... 5
Ind. Standard Promotes Two..... 45
Innis, Speiden Fumigants Post to Barton.. 45
Isonicotinic Acid Output Rise Planned..... 4
Jones-Dabney Names Thomas..... 69
MCA Reports on Air Pollution Abatement.. 5
Merck Appoints Fiaccone..... 53
Metal Can Shipments: Dec..... 40
Miles Retires from Monsanto..... 40
Monsanto Benzoic Unit Operation Set..... 5
Monsanto Names Smith Sales Mgr..... 4
Monsanto Phosphate Development Dept Set. 48
Monsanto Reassigns Ten..... 39
Morrow Acquires Bonanza Oil..... 45
MSA Announces Additional Authorizations. 54
NAC Releases Agenda Details..... 5
Nat'l Lead Elects Welch..... 70
New York Paint Techs. to Hear Smith..... 71
NPVLA, FPVPC Set Dates..... 7
NY Aromatics Mero & Boyveau Agent..... 65
NY Paint Club to Meet..... 69
Olive Oil Price Support Program Outlined.. 4
OPS Approves Oil Drums Refund Plan..... 45
OPS Revises Molasses Rule..... 53
Paint Clubs to Meet March 10..... 71
Peanut Marketing Quota Bills in Hopper.... 69
Phosphate Rock Industry: Jan.-June, 1951.. 42
Production Act Extensions Hearings Set.... 3
Pratt & Lambert Buys Salt Lake Glass.... 70
Reichhold Has New Vehicle..... 70
Rose Named Willard Gibbs Medalist..... 7
Scottish Sulphuric Unit Under Construction. 39
Senate Confirms McDonald..... 3
Smith, Inc., Names Agent..... 71
Stein, Hall Elects..... 39
Sulphur, Its Acid Filing Procedure New.... 4
Sulphur, Sulphuric Export Quotas Set..... 3
Squibb, Hoffmann-LaRoche TB Drugs Set. 65
USP Changes Vitamin B_{12} Text..... 54
US Sets New Nitrogen Expansion Rule..... 3
Victor Forms 2 Companies..... 5
Vita-Var Adds Six..... 78

Market Reports

(See Page 9)

General Features

Advertising Index..... 79
Association Meeting Dates..... 7
Bids Wanted..... 41
Classified Advertisements..... 78
Consulting Chemicals and Engineers..... 74
Coal Chemicals..... 46
Crude Oil Stocks..... 44
Current Market Quotations..... 9
Editorials..... 34
Imports..... 58
Imports Detained..... 61
Obituaries..... 65
OPD Price Index..... 4
Trade Briefs..... 39, 45
Washington Talks It Over..... 5

Oil, Paint and Drug Reporter, Vol. 161, No. 9, March 3, 1952. Published every Monday by Schnell Publishing Company, Inc., 30 Church Street, New York 7, N. Y., U. S. A. Subscription prices—United States and possessions, Cuba, Central America and South America, $5 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 15, 1884, at the New York Post Office under the act of March 3, 1879. Copyright, 1952, by Schnell Publishing Company, Inc.

NACA Gives Details Of Western Program

The program for the spring meeting of the National Agricultural Chemicals Association, to be held April 6 to 9 at the Fairmont hotel, San Francisco, Calif., has been released by L. S. Hitchner, executive secretary.

A reception for members will be held on April 6. The opening meeting gets under way the morning of the seventh with a report by NAC president Arthur W. Mohr, president of California Spray-Chemical Corporation, Richmond, Calif. The group will then hear addresses by W. E. Ball, president of the Western Agricultural Chemicals Association; Joseph E. Cary, executive vice-president of the Food, Machinery & Chemical Corporation, San Jose, Calif.; W. R. Allstetter, deputy director of the office of materials and facilities of the Production and Marketing Administration, Department of Agriculture, and Dr. G. F. McLeod, technical vice-president of Sunland Industries, Inc., Fresno, Calif. There will be no business session scheduled that afternoon.

The morning of April 8 will be given over to a business forum and presentation of problems by members of the NAC staff and committees. The association's golf tournament will take place in the afternoon, and the annual banquet is scheduled for the evening.

At the final session, on the morning of the ninth, the following will present talks:—Dr. Stanley B. Freeborn, University of California, Berkeley, Calif.; W. C. Jacobsen, assistant director of the California State Department of Agriculture, and Dr. A. M. Boyce, head of the division of entomology, California Citrus Experiment Station, Riverside, Calif.

India Dedicates New Sindri Fertilizer Unit

A $50,000,000 fertilizer plant was formally opened yesterday by the Indian government at Sindri, Bihar. The unit, which has rated capacity of 350,000 tons of ammonium sulphate annually, was designed and constructed for the Indian government by Chemical Construction Corporation, New York, a subsidiary of American Cyanamid Company.

Prior to the dedication, the plant was operating at about one-third capacity because of a shortage of high-grade gypsum, growing out of the partition of India and Pakistan. Changes in facilities are planned that will permit the plant to operate at full capacity with the lower grades of gypsum available in India.

The plant consists of an 80,000 kilowatt power generating station, a gas plant that will produce 33,000,000 cubic feet of hydrogen and nitrogen, an ammonia synthesis plant which will turn out 300 tons of anhydrous ammonia daily and a sulphate plant which will produce ammonium sulphate, with calcium carbonate as a by-product. Construction is planned for a unit to use the calcium carbonate to produce 300 tons of high-quality Portland cement daily.

MCA Reports on Recent Strides Made in Air Pollution Abatement

Two days of technical sessions devoted to new developments for preventing air contamination and to consider rational legislative approaches to the problem were conducted by the Manufacturing Chemists' Association at the Statler hotel, New York, February 25 and 26.

In opening the association's seventh air pollution abatement conference, Charles S. Munson, chairman of the board, stressed progress made by industry in helping to combat this nuisance and pointed out that thirty chemical companies alone have spent an average of $7,000,000 a year for the past five years to install and operate devices designed to reduce air contamination resulting from their plants.

Mr. Munson declared that one large chemical producer alone estimates its current investment in waste-abatement facilities at close to $20,000,000 and reports that programs now underway will increase this figure substantially.

Vital Research Work

"Perhaps more important than the dollars spent in its plants, however," Mr. Munson said, "is the work the industry has done in research on the problem and in making its findings available for the guidance of other industries and of people in the state and local governments who are charged with controlling pollution in their areas.

"For a number of years the Manufacturing Chemists' Association has had an active industry committee on air pollution abatement. This committee is now in the process of publishing a comprehensive handbook on air pollution abatement. Its chapters, written by recognized authorities, cover such subjects as sampling procedures and measuring equipment, analytical methods, physiological effects, methods of dust and mist collection, and meteorology of air pollution."

Mr. Munson said the existence of a problem such as this one of air pollution is, in a way, a healthy sign. We cannot make progress in any direction today, he explained, without overcoming some problems and creating others. When we see this taking place, he added, we know that our economy is alive and healthy.

Encouraging Signs

"I think there are two encouraging things about the air pollution problem," he concluded:—

"One is the degree to which it has achieved a place high in the thinking of industrial management. The concept that foul air without limit is part of the price a community must pay for industrial employment is a definitely outmoded concept.

"The other encouraging thing is that solid technical progress is being made. The problem will be licked. And it will be brought under control more rapidly and more efficiently if the time-tested procedures of science are given full scope in which to operate and to bring forth their solutions."

J. M. Gillet of the Victor Chemical Company, reported, MCA believes that, in principle, self-regulation is the most desirable and least wasteful method of achieving clean air, or any other desired goal, although it may be slow. Self-regulation, he said, has been well called the keystone of a free society; it has been unpopular, however, during the past thirty years, which have seen the rise of big government in this country, socialism in Britain, and Fascism and Communism in Europe and Asia. In all of these areas, he added, government controls over many phases of human activity have been substituted for individual responsibility.

"I do not imply," Mr. Gillet said, "that government does not have a legitimate role to play in air pollution abatement, for it is often desirable to delegate leadership to agents of government, to focus and co-ordinate the community's effort to improve atmospheric conditions. Many cities and districts have pollution abatement agencies established by law and presided over by highly qualified administrators.

"A study of much of the legislation creating pollution control authority shows that many laws contain features that are good and some that are in themselves bad. It is greatly to the credit of our officials that these laws have been so intelligently and patriotically administered as to avoid the evil consequences that could have resulted from some of these objectionable provisions."

Teamwork with Government

H. G. Dyktor, Commissioner of the Division of Air Pollution Control, Cleveland, Ohio, emphasized that industry must "come out in the open" and work with government officials and actively press for reasonable legislation and the selection of skilled administrators. A great deal has been done by teamwork in the larger cities, Mr. Dyktor said, but industry must do more self-policing if public wrath is to be averted.

He urged the association's legislative group to reconsider its recommendation for a rational approach to air pollution legislation and stressed the dangers of cumbersome reporting procedures and establishment of numerous public bureaus to handle complaints. When there is a public nuisance and a plant is inexcusably polluting the neighborhood, quick action on the part of control officials is necessary, Mr. Dkytor declare.

Enough experience has been gained in air pollution problems to establish procedure for avoiding future contamination, C. A. Gosline, of the engineering department of E. I. du Pont de Nemours & Co., told the conference. In recent years efforts have been directed mainly to curbing existing contamination, Mr. Gosline said, and now we are in a position to anticipate possible offenses and frame plans to prevent it. He suggested planning on the part of industry might proceed in the following order:—

"First, securing management recognition is the key to successful planning and ultimate solution for air pollution abatement.

"Second, at the research and pilot plant stage, the necessary data are gathered to define most of the process conditions and waste characteristics.

"Third, when alternate sites are being considered the potential problems are estimated after a visit to the sites.

"Fourth, as soon as the site is selected, on-site measurements are made to define dispersion coefficients, to measure the persistence of stagnant air conditions, and to survey the vegetation.

"Fifth, a waste disposal flow sheet is developed.

"Sixth, the foregoing are applied to each process step, building, and equipment piece as is necessary.

"Seventh, start-up assistance is given based on the prior determination of critical conditions and also to help adjust operation of the waste disposal equipment.

"Eighth, after operation starts a survey is made to confirm the design calculations and provide a basis for further work should such be indicated."

Measuring Contaminant Concentrations

Hamnett P. Munger of Battelle Memorial Institute, declared that cleaner air will result only from cooperative community effort. To reduce air pollution, it is first necessary to identify the contaminants and their sources, determine what concentrations are present and study individual industrial plants for methods of reducing the amount of contaminant, Dr. Munger said.

"Complex air pollution problems are usually associated with densely populated areas," he said. "It is an important prob-

—Continued on page 79

Chemical Wage-Hour Violation Record High

Noncompliance with the amended fair labor standards act by the chemical industry last year ran at a rate of better than two out of five, according to the 1951 annual report of the Department of Labor's wage and hour and public contracts divisions. Of those concerns investigated in the industry, 41 percent were found to have violated the act's minimum wage, overtime pay or child-labor provisions.

William R. McComb, administrator of the divisions, pointed out that it is government policy to make investigations where there is reason to believe that violations will be found. He emphasized that the violations found last year in the industry were not representative of the compliance record of all employers whose employees come within the provisions of the act. Experience shows that most employers intend to comply with the act, Mr. McComb added, and that in most cases failures are due to misunderstandings about the statutory provisions.

"The 1951 record makes it clear that greater efforts on the part of some members of the chemical industry would pay off in reduced liabilities for back wages owed employees," Mr. McComb stated. His report showed that a total of $117,333 in back wages was paid to 791 employees, as a result of the divisions' activities. This does not include amounts awarded by the courts in suits for back pay.

"Although most employers know that the amendments raised the minimum wage

—Continued on page 71

Antara Producing New Dye-Sequestering Agent

Antara Chemicals Division of General Dyestuff Corporation, New York, has announced commercial availability of "Peregal ST," a new stripping agent for vat, sulphur and direct dyeings. According to Antara, comparison tests indicate that in many cases the new stripper is ten times as effective as other agents considered excellent until now.

As a weakly-cationic material, "Peregal ST" is said to form very stable cation-anion complexes with dyestuffs containing sulpho groups, or phenolate groups in aqueous solution. In stripping operations, once the fiber-dyestuff bond is broken, the dislodged dye is preferentially bound to the "Peregal ST," for which it is claimed to have greater affinity than for cellulose. The material, described as a colloidal dye-sequestering agent, stems from Antara's acetylene chemical program. Samples and information can be secured from the company at 435 Hudson street, New York 14.

Monsanto Benzoic Acid Unit in Operation Soon

Expanded facilities for the production of benzoic acid at Monsanto Chemical Company's John F. Queeny plant in St. Louis, Mo., will be in operation shortly, Robinson Ord, general manager of sales for the company's organic chemicals division, has announced.

According to Monsanto, the unit will produce benzoic acid by an entirely new synthesis from basic raw materials, the first such process in this country. It doubles the company's production of technical and USP grades of benzoic acid as well as "Benthal," Monsanto's benzoic acid for the alky resins industry.

Gen'l Mills Names Andrews Chemical Division Manager

Appointment of Sewall D. Andrews as general manager of the chemical division of General Mills, Inc., Minneapolis, Minn., has been announced by Whitney Eastman, division president. Mr. Andrews, who has served as director of sales, will continue to head that activity and in addition will assume responsibility for all chemical division operations. Before joining the division, he served as director of purchases. Mr. Andrews is a twenty-year veteran with General Mills.

Victor Forms 2 Companies

Formation of two new international corporations by Victor Chemical Works, Chicago, has been announced by Rothe Weigel, president. Victor Chemical Trading Corporation will handle all company sales in the Western Hemisphere and Victor Chemical International Corporation will handle sales outside the Western Hemisphere. Headquarters of the two subsidiaries will be in the Board of Trade building in Chicago.

Washington Talks It Over

By Ralph L. Cherry

The Office of Price Stabilization has been working on a new order for some time now that will relieve the chemical industry—and other industries as well—of one of the causes of price squeezes that cannot be avoided. These are the squeezes resulting from the escalator clauses of wage contracts.

There are a number of contracts in the area of the chemical industry and in other industries which provide for automatic increases in wages when the cost of living index of the Bureau of Labor Statistics rises by some certain percentage point. When wages can go up automatically, while the prices which chemical manufacturers may charge remain stable, it impairs the ability of the manufacturer to continue in business.

It is the hope of the industry and the aim of some in OPS to do something about it. Because automatic price increase is foreign to the aims of OPS, the agency has necessarily been dragging its feet in giving relief to the problem, but it is understood that an order is being drafted for issuance soon that will take the escalator wage contracts into account in setting ceilings.

These escalator clause contracts, while they are regarded as highly desirable in normal times in keeping labor satisfied and on the job, become one of the real headaches for the economic stabilizers in times such as the present when they are trying to halt inflation. So far the Wage Stabilization Board hasn't found any way to void these contracts and eliminate that bit of irritation to the stabilization program, without bringing down the wrath of labor on its head. So, from time to time it has been extending General Wage Regulation 8 which permits these automatic wage adjustments based on the cost of living index. It has just been extended again indefinitely.

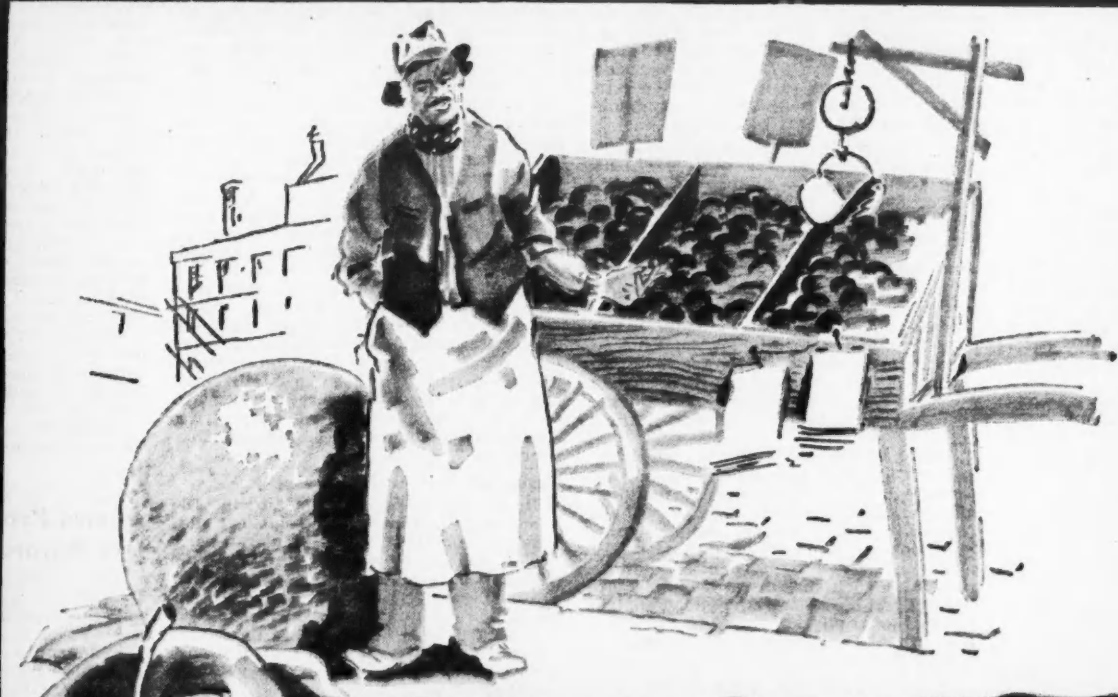
Politics and Controls

There is a good deal of feeling among observers in Washington that there will be a considerable change in the picture of federal controls over materials and prices by the time the political elections roll around in November. The changes will all be in the direction of easier controls.

Political capital already is being made over the lifting of controls that has been taking place, and promises are held out for further easings in the immediate future—and in those areas where the public itself is directly affected. In a speech recently, Secretary Sawyer called attention to the lifting of controls that has been authorized, and the promises of more such action. He said:—

"A few days ago, NPA issued a ruling

—Continued on page 34



You wanna buy some ISCO wax?

FACTS ABOUT ISCO WAXES

Carnauba #3 North Country

M.P.	182/184°F
Acid No.	4.5/5.0
Ester No.	68/72
Sapon	72/77

Bleached Montan

M.P.	145/151°F
Acid No.	25/33
Ester No.	0/4
Sapon	25/37
Flash Point	446°F

Japan Wax Substitute #525

M.P.	135/136°F
Acid No.	9/10
Ester No.	177/180
Sapon	186/190
Penetration No.	18/19

Citrus fruits are covered with a film of wax, deposited by dipping the fruit in a mixture of Carnauba and other vegetable waxes. The coating fills the pores, and helps prevent decay by sealing the skin.

Fruit dipping is only one of the many applications for Isco Carnauba Wax, valuable to industry chiefly for its outstanding hardening and polishing properties. It is the mainspring of the floor polish industry and is also used for automotive, shoe, and furniture polishes.

Carnauba contributes its special characteristics to such diverse products as cosmetics and candles, photographic film and phonograph records, chewing gum and carbon paper. It enters into the manufacture of chalk, matches, protective coatings, paper sizes, soap and lubricants.

Isco imports Carnauba and other waxes from all over the world for refining and processing. These waxes are noted in the trade for their uniformity and freedom from foreign matter. For the best in refined waxes, call on Isco.

ISCO T.M.

OTHER ISCO PRODUCTS
Gums — White Goods
Heavy Chemicals
Absorption Bases

INNIS, SPEIDEN & CO., INC.
117 LIBERTY STREET • NEW YORK, 6, N. Y.

BOSTON CINCINNATI GLOVERSVILLE CHICAGO CLEVELAND PHILADELPHIA SAN FRANCISCO LOS ANGELES
E. S. BROWNING CO., INC., SAN FRANCISCO • LOS ANGELES • A SUBSIDIARY OF INNIS, SPEIDEN & CO., INC.

Association Meetings

American Association of Textile Chemists and Colorists, annual meeting, Statler hotel, Boston Mass., November 6-8.

American Chemical Society, national meeting, Buffalo, N. Y., March 23-27.

American Drug Manufacturers Association, ADMA-APMA combined pharmaceutical contact committee; Washington hotel, Washington, D. C.; March 20-21; annual meeting, Homestead hotel, Hot Springs, Va., April 28-May 1; production and engineering section, spring meeting, Homestead hotel, Hot Springs, Va., May 14-15.

American Institute of Chemical Engineers, Atlanta Biltmore hotel, Atlanta, Ga., March 16-19.

American Oil Chemists Society, spring meeting, Shamrock hotel, Houston, Tex., April 28-30.

American Pharmaceutical Manufacturers Association annual meeting, Boca Raton Club, Boca Raton Fla., April 7-9.

American Plant Food Council, annual meeting, The Homestead, Hot Springs, Va., June 19-22.

American Society for Testing Materials, spring meeting and committee week, Statler hotel, Cleveland Ohio, March 3-7; annual meeting, Statler and New Yorker hotels, New York, June 23-27.

American Standards Association, annual meeting, Waldorf-Astoria hotel, New York, November 19.

American Water Works Association, annual conference, Kansas City, Mo., May 4-9.

American Zinc Institute, annual meeting, Statler hotel, St. Louis, Mo., April 21-22.

Association of Consulting Chemists and Chemical Engineers, general symposium, Belmont Plaza hotel, New York, April 22; outing, Westchester Country Club, Rye, N. Y., June 6; annual symposium, Belmont Plaza hotel, New York, October 28.

Chemical Institute of Canada, protective coatings division regional conference, Royal York hotel, Toronto, March 14; annual conference and exhibition, Mount Royal hotel, Montreal, June 2-4

Chemical Specialties Manufacturers Association; midyear meeting, Copley-Plaza hotel, Boston, Mass., June 8-10.

Commercial Chemical Development Association, annual open meeting, Statler hotel, New York, March 20.

Drug, Chemical and Allied Trades section of New York Board of Trade, annual dinner, Waldorf-Astoria hotel, New York, March 6; annual meeting Pocono Manor Inn, Pocono Manor, Pa., September 25-28.

Federal Wholesale Druggists Association, annual convention, Greenbrier hotel, White Sulphur Springs, W. Va., September 14-18.

Federation of Paint and Varnish Production Clubs, annual meeting, Palmer House, Chicago, November 20-22.

Flavoring Extract Manufacturers' Association, annual meeting, Edgewater Beach hotel, Chicago, May 25-28.

Forest Products Research Society, annual meeting, Schroeder hotel, Milwaukee, Wis., June 23-25.

International Grassland Congress, Pennsylvania State College, State College, Pa., August 17-23.

International Organization for Standardization, triennial meeting, Columbia University, New York, June 9-21.

Leather Show of the Tanners' Council of America, Waldorf-Astoria hotel, New York, March 11-12.

Manufacturing Chemists Association, joint meeting with SOCMA, Greenbrier hotel, White Sulphur Springs, W. Va., June 23-25.

Metal Powder Association, annual meeting, in conjunction with Metal Powder Show, Drake hotel, Chicago, April 29-30.

National Agricultural Chemicals Association, spring meeting, Fairmont hotel, San Francisco, Calif., April 7-9.

National Air Pollution Symposium, Huntington hotel, Pasadena, Calif., May 5-6.

National Association of Chain Drug Stores, annual convention, Hollywood Beach hotel, Hollywood, Fla., April 15-18.

National Farm Chemurgic Council, annual conference, Statler hotel, St. Louis, Mo., March 11-12.

National Fertilizer Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., June 16-18.

National Foreign Trade Council, Waldorf-Astoria hotel, New York, November 11-19.

National Packaging Exposition, Atlantic City Auditorium, Atlantic City, N. J., April 1-4.

National Paint, Varnish and Lacquer Association, annual convention, Palmer House, Chicago, November 17-19.

National Sanitary Supply Association, annual meeting, Conrad Hilton hotel (formerly the Stevens), Chicago, March 23-26.

Oil Trades Association of New York, annual meeting, Waldorf-Astoria hotel, New York, March 18.

Packaging Machinery Manufacturers Institute semi-annual meeting, Dennis hotel, Atlantic City, N. J., March 30-31.

Proprietary Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., May 22-24.

Society of Cosmetic Chemists, semi-annual meeting, Biltmore hotel, New York, May 15; semi-annual meeting, Biltmore hotel, New York, December 4.

Southern Paint and Varnish Production Club, spring meeting, Buena Vista hotel, Biloxi, Miss., March 5-7.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, joint meeting with MCA, Greenbrier hotel, White Sulphur Springs, W. Va., June 23-25.

Technical Association of the Pulp and Paper Industry, annual meeting, Commodore hotel, New York, February 18-21.

Toilet Goods Association, annual meeting, Waldorf-Astoria hotel, New York, May 12-14.

CMRA Gives Statistical Picture Of Chemical Industry Growth

Several series of statistics dramatizing the growing importance of numerous materials produced and used by the chemical and related industries were presented by thirteen speakers at a meeting of the Chemical Market Research Association, held in the Roosevelt hotel, New York, February 28.

These data, covering production, consumption, imports and exports in many cases, were compiled primarily from the records of the United States Tariff Commission, the Bureau of Census of the Department of Commerce and individual company records. Estimates of future production for several chemicals were supplied by the National Production Authority.

M. E. Clark, sales manager for Wyandotte Chemicals Corporation, pointed out that soda ash production, both ammonia soda process and natural, grew from 1,907,000 tons in 1925 to an estimated 5,450,000 tons in 1951; exports of soda ash were 16,000 tons in 1925, against an estimated 149,000 last year.

Bicarbonate of Soda Use

Bicarbonate of soda consumption in 1941 totaled 169,000 tons, Mr. Clark declared, as opposed to an expected 173,000 tons in 1951. In the same period, exports grew from 11,000 tons to 14,000 tons. More dramatic was the growth in caustic soda, where consumption was 527,000 tons in 1925, compared with 3,081,000 tons last year; exports in the two years were 50,000 tons and 261,000 tons, respectively.

In chlorine, Mr. Clark illustrated, the industry had a production capacity of 398,000 tons in 1930, with total consumption at 205,000 tons, whereas estimates for 1951 show production capacity at 2,409,000 tons, or 81,000 tons less than expected consumption of 2,490,000 tons.

Calcium Carbide Data

G. B. Carpenter, manager of the research division of Air Reduction Company, displayed significant data on calcium carbide, as concerning the United States, as follows:—

	Tons	
	1925	1951 (estimated)
Production	127,600	771,478
Imports	7,120	32,392
Exports	2,427	6,164
Consumption	133,793	803,870

Acetylene consumption in the United States, he said, totaled 83,000,000 pounds in 1925, while 1951 use, including petroacetylene, is estimated at 549,000,000 pounds. Consumption is estimated at 600,000,000 pounds in 1952, 1,000,000,000 pounds in 1956 and 2,000,000,000 pounds in 1960.

C. P. Neidig of White, Weld & Co., presented data on detergents which outlined sharply the growth of the synthetics. Production in pounds, of soap and synthetics in 1935, compared with 1951 and estimates for 1952, 1953 and 1954, are as follows:—

	Soap	Synthetics
1935	2,776,000,000	2,000,000
1951	2,450,000,000	1,438,000,000
1952	2,660,000,000	1,686,000,000
1953	2,600,000,000	1,811,000,000
1954	2,571,000,000	1,936,000,000

G. D. Bieber of Eastern Gas & Fuel Associates pointed out that, while production of motor benzol dropped from 81,500,000 gallons in 1925 to an estimated 7,000,000 gallons in 1951, refined grades of benzene grew from an output of 22,400,000 gallons to 260,000,000 gallons. He displayed an NPA estimate of benzene requirements of 307,000,000 gallons this year, 411,000,000 gallons in 1955 and 430,000,000 gallons in 1956.

Toluene Production Growth

For toluene, Mr. Bieber illustrated a production growth from 5,500,000 gallons in 1925 to an estimated 76,000,000 gallons in 1951. Requirements, exclusive of ordnance, are estimated at 78,000,000 gallons in 1952, 80,000,000 in 1955 and 85,000,000 in 1956.

Xylene production, the speaker said, totaled 2,000,000 gallons in 1925 and an estimated 75,000,000 gallons in 1951. He pointed out that requirements are expected to be 78,000,000 gallons in 1952, 95,000,000 gallons in 1955 and 100,000,000 gallons in 1956.

Turning to crude naphthalene, Mr. Bieber showed that in 1925 and 1951, respectively, production totaled 43,400,000 pounds and 348,000,000 pounds, imports were 2,000,000 pounds and 68,000,000 pounds, for an apparent supply of 45,400,000 pounds as against 416,000,000 pounds. Crude naphthalene requirements were seen at 503,300,000 pounds in 1952, 525,000,000 pounds in 1955 and 530,000,000 pounds in 1956.

Production of cresylic acids grew from 18,400,000 pounds in 1940 to an estimated 34,000,000 pounds in 1951 and 35,000,000 pounds in 1956, according to Mr. Bieber, but output of natural phenol dropped from 24,000,000 pounds in 1940 to an estimated 22,000,000 pounds in 1951 and 23,000,000 pounds in 1956. Production of O-M-P cresols dropped from 16,000,000 pounds in 1940 to 12,000,000 in 1951 but is expected to reach 21,000,000 pounds by 1956.

In reviewing production of polyphosphates, J. M. Gillet, assistant to the president of the Victor Chemical Works, reported that crystalline trisodium phosphate output was 82,954 short tons in 1930, grew to a peak level of 116,731 tons in 1939 and dropped to 69,741 tons last year. Production of sodium metaphosphate increased from 500 short tons in 1930 to 50,000 tons in 1951; tertasodium pyrophsophate output was 10 short tons in 1930, compared with 86,000 tons last year, and production of sodium tripolyphosphate increased from 500 short tons in 1941 to 303,500 tons in 1951.

DDT, BHC Figures

E. M. Ott, assistant manager of the market research division of Pennsylvania Salt Manufacturing Company, displayed production, sales and export figures, in pounds, on DDT and benzene hexachloride as follows:—

	DDT	
	1945	1951
Production	33,243,000	85,034,000
Sales	31,595,000	70,000,000
Exports	*	22,650,000
	BHC	
	1947	1951
Production	8,197,000	94,618,000
Sales	5,042,000	80,000,000
Exports	*	*

*Not available.

Mr. Ott estimated BHC production at 90,000,000 pounds in 1952, 130,000,000 pounds in 1955 and 135,000,000 pounds in 1956. BHC production in those years he estimated at 85,00,000 pounds, 120,000,000 pounds and 125,000,000 pounds, respectively.

Nitrogen was discussed by R. W. Schramm, manager of market research for Spencer Chemical Company, who listed the production capacity of private synthetic ammonia plants at 15,300 tons of ammonia in 1925, compared with 1,950,000 tons in 1951, and estimates of 2,130,000 tons in 1952 and 3,240,000 tons in 1955 and 1956. United States consumption of synthetic nitrogen, given in short tons of ammonia, was presented as follows:—

	1925	1951
Total	76,000	1,700,000
Agricultural	37,000	1,010,000
Industry	39,000	652,000
Military	.....	38,000

Total consumption was estimated by Mr. Schramm at 2,041,000 short tons of ammonia in 1952, 3,532,000 tons in 1955 and 3,590,000 tons in 1956.

Report on Nickel Chemicals

E. C. Ray, manager of technical sales catalysts for Harshaw Chemical Company, reported that in 1945 consumption of nickel chemicals in the United States amounted to 9,160 short tons, with a nickel content of 7,345 tons, compared with 1951 estimate of 15,890 tons, with a nickel content of 11,424 tons.

Domestic production of cobalt chemicals in 1944, according to Mr. Ray, amounted to 9,415,281 pounds, with a cobalt content of 1,034,681 pounds, compared with 1950 production of 14,549,326 pounds, with a cobalt content of 1,576,728 pounds.

M. H. Pickard, technical director of Pacific Coast Borax Company, spoke on boron compounds and presented the following figures, in short tons, on domestic borate production, exports and imports:—

	1925	1950
Production	133,699	647,735
Exports	16,944	142,580
Imports	5,601	1,220 (lbs.)

Sodium, Potassium Chlorates

C. A. Stiegman, director of technical service for Oldbury Electro-Chemical Company, presented 1925 and 1950 data, in short tons, for sodium and potassium chlorates, with estimates for 1952 and 1955, as follows:—

	Production capacity	Consumption	Imports
1925	4,500	16,000	11,000
1951	42,000	38,000	.....
1952	42,500	39,500	.....
1955	52,000	45,000	.....

The production capacity and consumption, in short tons, of yellow phosphorus, in the same periods were reported by Mr. Stiegman as follows:—

	Production capacity	Consumption
1925	9,000,000	5,000,000
1951	183,000,000	183,000,000
1952	202,000,000	.....
1955	212,000,000	.....

J. L. Packard, director of market research for Chas. Pfizer & Co., discussed

—*Continued on page 56*

CCDA Outlines Agenda For March 20 Meeting

The Commercial Chemical Development Association has drawn up the program for its annual open meeting, to be held March 20 at the Statler hotel, New York.

Donald B. Keyes, special consultant to Heyden Chemical Corporation, program chairman, will lead off the morning speakers. His topic will be "What Can You Do With Organized Chemical Development?" J. Oostermeyer, president of Shell Chemical Corporation, will discuss "The Backbone of a Chemical Company." Robert B. Semple, president of Wyandotte Chemicals Corporation, will outline "Some Reasons for Orientating with Research in One Area of Responsibility." John L. Davenport, executive vice-president of Chas. Pfizer & Co., will talk on "Coordination of New Product Development." John C. Leppart, executive vice-president of Mathieson Chemical Corporation, will talk on a subject to be announced later.

Klipstein Speaks at Luncheon

At the luncheon, to be held at 12:30 p. m. in the Sky Top room, Victor E. Wellman, director of the process engineering department, Calco Chemical Division, American Cyanamid Company, will introduce the guest speaker. He will be Kenneth H. Klipstein, deputy administrator of the National Production Authority, in charge of the chemical, rubber and forest products bureau. His topic will be "The Chemical Industry—Producer of Synthetic Resources."

The afternoon will be given over to a panel discussion on the subject, "What Is Being Done with Organized Chemical Development." W. H. Bowman, vice-president of Jefferson Chemical Company, will serve as moderator. Panel members will be:—F. A. Soderberg, manager of the industrial division, technical department, General Dyestuff Corporation; Sydney T. Ellis, assistant to the president, Commercial Solvents Corporation; S. L. Brous, general manager of the chemical materials department, General Electric Company; L. P. Moore, director of the technical service and development division, Stamford Research Laboratories of American Cyanamid; James G. Park, vice-president in charge of operations, Enjay Company; Robert G. Ruark, assistant to the general manager of the chemical division, Corn Products Refining Company; Luther S. Roehm, manager of the corn division, A. E. Staley Manufacturing Company, and R. L. Bateman, manager of fine chemicals, Carbide & Carbon Chemicals Division, Union Carbide & Carbon Corporation.

Honor Award Presentation

The dinner will be held at 7 p. m. in the ballroom. G. W. Larson, manager of the technical sales service division, Jefferson Chemical, will introduce the dinner program. Mr. Wellman will make the presentation of the 1952 CCDA honor award. John P. Coe, vice-president and general manager, Naugatuck Chemical Division, United States Rubber Company, recipient of the prize, will make an award address.

Rose Named to Receive 1952 Willard Gibbs Medal

The Willard Gibbs medal has been awarded to Professor William C. Rose of the University of Illinois, world authority on nutrition. Dr. Robert F. Marschner of the Standard Oil Company of Indiana, chairman of the Chicago section of the American Chemical Society, has announced. The award, which is conferred by the Chicago section each year on an outstanding chemist selected by a national jury, will be presented to Professor Rose at a dinner on May 23.

NPVLA, FPVPC Set Dates for 1952 Meetings

The National Paint, Varnish and Lacquer Association and the Federation of Paint and Varnish Production Clubs have announced the dates of their 1952 annual meetings. NPVLA will hold its sixty-fourth annual convention November 17 to 19, while FPVPC has slated its thirtieth annual meeting for November 20 to 22. Convention headquarters for both organizations will be at the Palmer House, Chicago.

Galvanizers Meeting Set

The Galvanizers Committee, which is sponsored by the American Zinc Institute, will hold its twenty-seventh meeting in the Statler hotel, St. Louis, April 21 and 22; it has been announced by J. T. Mayhew, chairman of Weirton Steel Company.

MACMILLAN MAKES SURE
every drum shipment is *safe*

Macmillan drums are PROTECTED FROM LOSSES by

Tri-Sure
Reg. U. S. Pat. Off
CLOSURES

THE Macmillan Petroleum Corporation has built world-wide prestige for its Ring-Free Motor Oils because of its high standards of research and refining. And Macmillan *protects* its prestige by protecting every drum shipment with Tri-Sure* Closures.

Tri-Sure Closures have a Flange, Plug and Seal that keep *all* of the contents inside a drum, and *all* impurities out. They provide 100% security from leakage . . . contamination . . . substitution . . . and undetected pilferage.

Give this protection to *your* product, *your* prestige, and *your* customers' good will—by specifying "Tri-Sure Closures" on every drum order.

**The "Tri-Sure" Trademark is a mark of reliability backed by 29 years serving industry. It tells your customers that genuine Tri-Sure Flanges (inserted with genuine Tri-Sure dies), Plugs and Seals have been used.*

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
Tri-Sure Products Limited, St. Catharines, Ontario, Canada

Current Market Quotations

Chemicals and Related Materials

All matters under this heading fully protected by copyright.

Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, February 29 on large lots f.o.b. New York with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

Index to Reports on Price Changes and Other Market Aspects

Acids 36
Agricultural Chemicals 42
Aromatic Chemicals 63
Botanical Drugs 61
Coal Chemicals 46
Drugs 51
Essential Oils 63
Fats and Greases 72
Fertilizer Materials 42
Fine Chemicals 51
Gums 61
Lacquer Materials 67
Leather Chemicals 49
Heavy Chemicals 36
Nonferrous Metals 36
Oil Cake and Meal 72
Oils 72
Paint Materials 67
Pesticides 42
Petroleum Derivatives 44
Protective Coating Materials 67
Spices 61
Textile Chemicals 49
Varnish Materials 67
Waxes 72

A

Acacia (see Gum arabic).
Acenaphthene below 92.5 C., m.p., dms., works lb. .40 - —
over 92.5 C., m.p., dms., works lb. .50 - —
Acetaldehyde, 99%, dms., c.l., frt. equald lb. .1250- .1435
l.c.l., frt. equald lb. .1350- .1535
tanks, frt. equald lb. .1050- .1300
Acetaldol (see Aldol).
Acetanilide, tech., bbls., c.l., dlvd lb. .25½ 26½
l.c.l., ton lots lb. .26½ .27½
smaller lots lb. .29½ .30½
USP, bbls., 2,000-lb. lots lb. .56 —
smaller lots lb. .57 - .64
Acetic anhydride, dms., c.l., frt. alld. E lb. .16 - —
l.c.l., frt. alld. E lb. .17½- —
tanks, frt. alld. E lb. .14½- —
Acetoacetanilide, fib. dms., c.l. dlvd. lb. .73 - —
l.c.l., dlvd lb. .74 - —
Acetoacetorthochloroanilide, fib. dms., c.l., dlvd lb. 1.14 - 1.22
l.c.l., dlvd lb. 1.15 - 1.23
Acetoacetorthotoluidide, fib. dms., c.l., dlvd lb. .78 - —
l.c.l., dlvd lb. .79 - —
Acetone, CP, dms., c.l., dlvd lb. .10¼ .11¾
l.c.l., dlvd lb. .11 - .12½
tanks, dlvd lb. .08½- .10
Methyl (see M)
Acetonitrile, dms., c.l., works lb. .45 - —
l.c.l., works lb. .47 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.15 1.38
Acetophenone, cns., dms lb. 1.35 1.85
tech., dms., l.c.l., works lb. .75 —
Acetyltributyl citrate, tech., dms., c.l. lb. .37½- —
l.c.l. lb. .38½- —
tanks lb. .36 - —
Acetyltriethyl citrate, tech., dms., c.l. lb. .37½- —
l.c.l. lb. .38½- —
tanks lb. .36 - —
Acid, abietic, com'l, dms., c.l., works lb. .12 - —
l.c.l., works lb. .1390- —
cryst., dms., c.l., works lb. .07½- —
l.c.l., works lb. .08 - .08½
Acetic, com'l or redist., 28%, bbls 100 lbs. 5.50 - —
56%, bbls 100 lbs. 9.65 - —
70%, bbls 100 lbs.11.70 - —
80%, bbls 100 lbs.12.45 - —
glacial, synthetic, CP, dms., works 100 lbs.15.00 -16.00
cbys., inclusive, works 100 lbs.24.00 -26.00
tech., dms., c.l., works 100 lbs.10.50 -12.50
l.c.l., bbls., works 100 lbs.11.00 -13.50
tanks, works 100 lbs. 9.00 -11.50
USP, dms., works 100 lbs.13.50 -14.50
Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP special, bbls., makers, primary distrib., point of ship't, 1000-lb. lots lb. .60 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls same basis, lb. .53 - —

Freight equaid, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works lb. .30½- —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 1.75
Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls., frt. equald lb. 1.10 - —
Arsenous, tech. (see Arsenic, white).
USP (see Arsenic trioxide).
Ascorbic, USP, dms., 25-50 kilo lots kilo.24.50 - —
10-kilo lots kilo.24.85 - —
5-kilo lots kilo.25.95 - —
bots., kilo, lots kilo.25.50 - —
500-gram lots kilo.26.00 - —
Battery, cbys., c.l., E., works, 100 lbs. 2.40 —
l.c.l., E., works 100 lbs. 2.80 3.20
Benzoic, tech., bbls., dms., 100 lbs. or more lb. .425 - .450
USP, bbls., dms., 100 lbs. up lb. .525 - .540
Betahydroxynaphthoic (see betaoxynaphthoic acid).
Betaoxynaphthoic, bbls., works lb. 1.35 - 1.39
Boric, tech., 99½%, cryst., bgs., c.l., works ton.120 75 - —
ton lots, ex whse., N. Y. or Chi ton.166.50 - —
less ton lots, same basis, ton.171.50 - —
bbls., c.l., works ton.145 25 - —
ton lots, ex whse., N. Y. or Chi ton.191.00 - —
less ton lots, same basis, ton.196.00 - —
bulk, c.l., works ton.116.75 - —
gran., bgs., c.l., works ton.95.75 - —
ton lots, ex whse., N. Y. or Chi ton.141.50 - —
less ton lots, same basis, ton.146.50 - —
bbls., c.l., works ton.120 25 - —
ton lots, ex whse., N. Y. or Chi ton.166.00 - —
less ton lots, same basis, ton.171.00 - —
bulk, c.l., works ton.91.75 - —
powd., bgs., c.l., works ton.100.75 - —
ton lots, ex whse., N. Y. or Chi ton.146.50 - —
less ton lots, same basis, ton.151.50 - —
bbls., c.l., works ton.125.25 - —
ton lots, ex whse., N. Y. or Chi ton.171.00 - —
less ton lots same basis, ton.176.00 - —
bulk, c.l., works ton.96.75 - —
USP $25 per ton higher.
Broenner's, bbls lb. 1.47 - —

Acid, butyric, 99%, dms., c.l., works, lb. .38 - —
l.c.l., works lb. .38½- —
tankcars, works lb. .36½- —
Cacodylic, bots lb.10.50 13.00
Camphoric, ratural, dms lb. 4.00 4.75
synth., dms lb. 4.00 4.75
Capric, 90%, dms., l.c.l lb. .35½ —
Caprylic, 90%, dms., l.c.l lb. .35½ —
Cassello, dms., frt alld lb. 1.44 —
Castor oil, split, dms lb. .33¼ .33¾
Chicago, bbls., frt alld lb. 3.21 —
Chlorosulphonic, dms., c.l., frt. equald lb. .039 —
l.c.l., frt. equald lb. .044 - .059
tanks, frt. equald lb. .034 —
Chromic, 99½-99¾%, dms., c.l. works lb. .28 —
l.c.l., works lb. .28½- .29½
NF (see Chromium trioxide)
Cinnamic, refd., bots lb. 2.50 3.50
Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½- —
10,000 lbs., 1 ship't lb. .27 - —
smaller lots lb. .27½- —
kgs. lb. .28½- —
Anhydrous citric acid powder ½c. per lb. higher.
USP, cryst., dms., c.l. lb. .27½- —
10,000 lbs., 1 ship't lb. .28 - —
smaller lots lb. .28½- —
kgs. lb. .29½- —
gran., fine gran., dms., c.l. lb. .24½- —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½- —
kgs. lb. .26½- —
USP citric acid powder ½c. per lb. higher.
Cleve's, mixed, bls lb. .79 —
Coconut oil, dist., dms lb. .17 - .18¼
double dist., dms lb. .18½- .19¾
Cottonseed oil, dist., dms lb. .1050- .1175
double dist., dms lb. .1100- .1225
Cresylic coaltar, dom. 50% above 207°C, non-ret. dms., c.l., frt equald gal. 1.31 - 1.36
l.c.l., same basis gal. 1.34 - 1.49
ret. dms., c.l., same basis gal. 1.28 - —
l.c.l., same basis gal. 1.33 - —
tanks, same basis gal. 1.20 - 1.25
204° to 207° C non-ret. dms., c.l., same basis gal. 1.36 - —
l.c.l., same basis gal. 1.39 - —
ret. dms., c.l. same basis, gal. 1.33 - —
l.c.l., same basis gal. 1.38 - —
tanks, same basis gal. 1.25 - —
imp., 75% at 215°C, or over, dms., c.l.f. gal. 1.25 - 1.35
petroleum, dom., 195° to 213°C, non-ret., dms., c.l., San Francisco and Los Angeles gal. .71 - —
l.c.l., same basis gal. .73 - .75
tanks, same basis gal. .58 - —

Acid, cresylic, petroleum, dom., 200° C to 222° C, tanks, Wilmington, Cal gal. .58 - .63
211° C to 236° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .63 - —
l.c.l., same basis gal. .65 - .67
tanks, same basis gal. .50 - —
220° C to 242° C, tanks, Wilmington, Cal gal. .50 - .53
245° C to 298° C, tanks, Wilmington, Cal gal. .46 - —
Crotonic, fib. dms., works lb. .31 - —
Cyanoacetic, tech., bbls lb. .90 1.25
Desoxycholic, bots lb.22.00 25.00
Dichlorophenoxyacetic (see under "D" 2,4-D).
Diethylbarbituric (see Barbital).
Diglycolic, bgs., works lb. .14 - —
Ethylhexoic, dms., c.l., works lb. .35 - —
l.c.l., works lb. .35½ - —
tanks, works lb. .33½ - —
F, crude, paste, bbls., works lb. 1.67 - —
Folic, bots., fib. cns., kilo or more gram 2.00 - —
Formic, 85%, cbys., c.l., works lb. .142 .17
l.c.l., works lb. 14½ 22
90%, cbys., c.l., works lb. .1475 .1750
l.c.l., works lb. .15 - .23½
Fumaric, tech., bbls., dms lb. .37 .38
Gallic, NF VII, bbls., 1,000-lb. lots, lb. 1.80 —
smaller lots lb. 1.82 2.00
technical, bbls., 1,000-lb. lots lb 1.58 —
smaller lots lb. 1.69 - 1.78
Gamma, dry ground, bbls., frt. alld lb. 1.50 - —
paste, bbls., frt. alld lb. 1.45 - —
Gentisic, 100-lb. fib. dms lb. 8.50 - —
Gluconic, tech., 50%, bots lb. .23½- .31½
dms. lb. .14½- —
cbys. lb. .17½- —
Glumatic, 99½%, laevo, fib. dms., 100-lb. lots, works lb. 2.45 2.53
25-lb. lots, works lb. 2.60 - 2.68
Glycerophosphoric, 35%, dms., works lb. 2.25 2.35
Glycolic (see Acid hydroxyacetic).
H, 100% basis, bbls., works lb. .82 - —
Hydriodic, 1.50 s.g., cbys lb. 2.67 - —
1.70 s.g., cbys lb. 2.98 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .37 .43
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works lb. 1.10 - —
dilute, NF, 2%, 5-lb. bots lb. .40 - —
Hydrofluoric, anhyd., cyls., works. lb. .24 - .25
tanks, works lb. .18 - —
70%, steel dms., works lb. .1535- .1955
Hydrofluosilicic, 30-35%, bbls., works lb. .07 - —

Acid, hydroxyacetic, tech., 70%, bbls non-return., Phila lb. .084 - —
tanks, Belle, W. Va., 100% basis lb. .085 - —
Hypophosphorus, purif., 50%, cbys. lb. 1.30 - 1.32
USP, cbys lb. .68 —
J, bbls., works, 100% basis lb. 2.50 2.85
Koch, bbls., frt. alld lb. .64 - .70
L, bbls. frt alld lb. 1.25 —
Lactic edible 50% bbls., 20 or more lb. .17 - .20
smaller lots lb. .17½- .21
80%, bbls., 5 bbls. or more lb. .30 - .3640
less than 5 bbls lb. .305 - .3690
plastic grade, 50%, bbls., 20 or more, works lb. .21¾- —
1 to 19 lb. .22¼- .22¾
80% bbls 5 or more lb. .3865- —
tech., 22%, bbls., c.l., works, 100 lbs. 6.30 - —
l.c.l., works 100 lbs. 6.70 - —
cbys., l.c.l., works 100 lbs. 7.20 -12.20
44%, bbls., c.l., works 100 lbs.11.45 -11.95
l.c.l., bbls., works 100 lbs.11.85 -12.50
NF, 85%, cbys lb. .85 - .88
Laurent's, bbls lb. .60 .87
Lauric, 90-95%, dms lb. .23¾- .24¼
60%, dms lb. .18¾- .19¼
Linseed oil, dist., reg., dms lb. .2250- .23
water, white, dms lb. .2550- .26
Maleic, anhydride (see M), powder, dms lb. .37 - .38
Malic, dms lb. .50 —
Mandelic, NF, dms. 1,000-lb. lots. lb. 2.35 —
smaller lots lb. 2.40 - 2.50
Metanilic dms, works lb. .57 - —
Methacrylic, dms., c.l., and truckloads, works lb. .76 - —
less than truckload, works lb. .76½- .80
Molybdic, dms., 85-92% works lb. 1.40 - 1.55
Monochloroacetic, purified, flake, 99% dms lb. .23¾- .24¾
tech., flake 96-97%, dms lb. .20¼- .21¼
Muriatic, 18° cbys., c.l., works, 100 lbs. 2.45 - 2.80
l.c.l., works 100 lbs. 2.75 - 8.55
tanks, works ton.25.00 -29.00
20°, cbys., c.l., works 100 lbs. 2.70 - 3.05
l.c.l., works 100 lbs. 3.00 - 8.80
tanks, works ton.27.00 -33.00
22°, cbys., c.l., works 100 lbs. 3.30 - 3.40
l.c.l., works 100 lbs. 3.50 - 4.40
tanks, works ton.32.00 -36.00
CP, USP consumers, cbys., extra c.l., works lb. .11¾- —
l.c.l., same basis lb. .13¼- .13¾
5 pint bottles extra, cs., c.l., same basis lb. .16¾- —
l.c.l., same basis lb. .18¼- .24¼
Acid, muriatic, CP, USP, prices to dealers, 1½c. per lb. less.
Myristic, dms lb. .28¾- .29¼
Naphthenic 220-230 acidity, dms., works lb. .14 - —
tanks, works lb. .12 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winthers)
Naphthol(1)-5-sulphonic (see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma).
(5)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broenner's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms., frt. alld lb. 1.05 - —
Nicotinic, USP, dms., frt. adjusted kilo. 9.00 9.30
Nicotinicamide (see Nicotinamide).
Nitric 36° cbys., c.l., E. works 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.30 -11.10
38° cbys. c.l., E. works 100 lbs. 5.50 — —
l.c.l., E. works 100 lbs. 5.80 -11.60
40° cbys. c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E. works 100 lbs. 6.30 -12.10
42° cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.80 -12.60
CP, NF, consumers, cbys., extra c.l., works lb. .13½- —
l.c.l., same basis lb. .15 - .15¼
5 pint bottles extra, cs., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .19¼- —
Octoic (see Acid, Ethylhexoic).
Oleic, single distilled, dms lb. .12¼- .13¼
tanks lb. .10¾- —
double distilled (white), dms lb. .14¾- .16
tanks lb. .13¼- —
Oleum (see Acid sulphuric fuming)
Orthochlorobenzoic, fib. dms., works lb. 1.13 - —
Orthocresotinic, dms., ton lots, works lb. .66 - —
smaller lots, works lb. .68 - —
Oxalic, bbls., c.l., works lb. .1575- .1590
10,000 lbs., works lb. .16 - .1615
smaller lots, works lb. .17 - .1715
Palm oil, white, dist., ums lb. .16¼- .17
Para-aminobenzoic, tech., dms lb. 1.74 1.77
USP, dms., 100 lbs. or more, works lb. 3.60 - 4.50
Para-aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.45 —
smaller lots, same basis lb. 4.50 - 4.95
Parachlorobenzoic, fib. dms., works lb. 1.59 - 1.62
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic, dms lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Phenylacetic, bots lb. 1.45 - 1.75
tech., dms., 1,000-lb. lots lb. .90 - —
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dest-dist.	destructive-distilled	neut.	neutral
		dextro	dextrorotatory	NF.	National Formularly
alld.	allowed	dist.	distilled	nom.	nominal
ammo.	ammonia	distr.	distributor	No.	number
amorph.	amorphous	djns.	demijohns	ord.	ordinary
AMP.	American melting point	dlvd.	delivered	oz.	ounce
		dms.	drums	Pac.	Pacific
anhyd.	anhydrous	dom.	domestic	pf.	proof
a.p.a.	available phosphoric acid	E.	east	phos.	phosphate
		e.p.	end point	photo.	photographic
artif.	artificial	equald.	equalized	pkgs.	packages
ASTM.	American Society for Testing Materials	F	fahrenheit	powd.	powdered
		ferment.	fermentation	precip.	precipitated
		ffa.	free fatty acid	prod.	producer
Be.	Baume	ffc.	free from chlorine	pt.	point
bgs.	bags	fib.	fiber	pulv.	pulverized
bbls.	barrels	f.o.b.	free on board	purif.	purified
bls.	bales	FPA.	free of prussic acid	redist.	redistilled
bots.	bottles			refd.	refined
b.p.	boiling point	frt.	freight	refy.	refinery
b.p.l.	bone phosphate of lime	fus.	fused	reg.	regular
		gal.	gallon	resub.	resublimed
b.r.	boiling range	gran.	granular	ret.	returnable
bxs.	boxes	grd.	ground	SD.	specially denatured
C.	centigrade	i.&a.	iron and aluminum	s.d	single distilled
cbys.	carboys	i.b.p.	initial boiling point	S. E.	southeast
CD.	completely denatured	imp.	imported	secs.	seconds
c.i.f.	cost insurance, freight	incl.	included	s.g.	specific gravity
		indust.	industrial	ship't.	shipment
cks.	casks	kgs.	kegs	solut.	solution
c.l.	car lots	lacq.	lacquer	s.u.	standard unit
cns.	cans	lb.	pound	synth.	synthetic
col.	color	l.c.l.	less than car lots	tanks.	railroad tankcars
com'l	commercial	liq.	liquid	tech.	technical
conc.	concentrated	m.a.p.	mixed anilin point	USP.	U. S. Pharmacopoeia
CP.	chemically pure	M c.f.	thousand cubic feet	vis.	viscosity
cps.	centipoises	min.	minimum	VM&P	varnish makers & painters
cryst.	crystal	m.p.	melting point	W.	west
cs.	cases	N.	nitrogen	w.w.	warehouse
ctns.	cartons	nat.	natural	whse.	water white
cyls.	cylinders				
dbl.	double				
denat.	denatured				

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material

Acid, Phosphoric—Aldrin

Acid, phosphoric, food grade, 75%, cbys., c.l. works 100 lbs. 7.00 - 7.10
l.c.l., works, frt. alld. 100 lbs. 7.50 - 8.00
tanks, works 100 lbs. 4.90 - 5.00
NF, 85%, cbys., c.l., works lb. .08 - .08¼
l.c.l., works lb. .08½ - .09¼
Picric, NF, 300-lb. bbls lb. .55 —
small dms lb. .81 - .87
tech., bbls lb .32 - .33
Propionic, synthetic, pure, dms., c.l., works lb. .258 - —
l.c.l., works lb. .263 - —
tanks, works lb. .243 - —
Pyrogallic, NF, (see Pyrogallol)
tech., bbls lb. 2.76 - 2.90
Pyroligneous, dms., incl., l.c.l. works gal. .36 - —
whse. gal. .504 - —
Ricinoleic (see Acid, castor oil, split).
S, bbls., works lb 3.25 - —
Salicylic, crude, bgs lb. .35 - —
sublimed, tech., bbls., c.l. lb. .37 - —
l.c.l. lb. .44 - —
dyestuffs grade, bbls lb. .39 - —
USP, cryst., bbls lb. .46 - —
powder, bbls lb. .51 - —
Sebacic, purified, dms., c.l., works lb. .90¾ - .94
l.c.l., works lb. .93¾ - .94½
Soybean oil, double dist., dms. lb. .12¼ - .13½
single dist., dms lb. .11¾ - .13
Stearic, double pressed, bgs lb. .11 - .12¼
single-pressed, bgs lb. .10½ - .11¾
triple-pressed, bgs lb. .13¼ - .14½
Succinic, purified, cryst., bbls., works lb. .63 - .75

Acid, sulphanilic, tech., dms., c.l., frt. alld lb. .18 - —
l.c.l., frt. alld lb. .20 - —
Sulphuric, 60° Be, cbys., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.05 - 2.85
tanks, works ton 16.30 - —
66° Be, cbys., c.l., works 100 lbs. 2.10 - —
l.c.l., works 100 lbs. 2.30 - 8.10
tanks, works ton 20.00 - —
98%, tanks, works ton 21.00 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald. lb. .09¾ - —
l.c.l., same basis lb. .11¼ - .11¾
5 pt. bottles, extra, cs., c.l., works, frt. equald lb. .13¼ - —
l.c.l., same basis lb. .14¾ - .20¾
fuming, 20%, tanks, works ton 22.40 - —
Tallow, dist., dms lb. .09¼ - .10½
hydrogenated, dms lb. .10¾ - .12
Tannic, NF, USP XIII, fluffy, bbls., 1,000-lb. lots lb. 1.59 - 1.60
smaller lots lb. 1.65 - 1.76
powder, bbls., 1,000-lb. lots lb. 1.50 - —
smaller lots lb. 1.51 - 1.69
tech., dms lb. .95 - —
Tartaric, USP, dom., 230, 250-lb. dms., 10,000-lbs., 1 ship't, lb. .45½ - —
smaller lots lb. .46 - —
100-lb. dms lb. .47 - —
small dms lb. .49 - .55
imported, bgs lb. .36 - .40
Thioglycolic, refined, bgs., cbys., basis 100% lb. 1.60 - 1.86
Tobias, bbls., frt. alld lb. .74 - —
Toluenesulphonic, d m s., c.l., works lb. .18½ - —
l.c.l., works lb. .20 - —
tanks, works lb. .17 - —

Acid, trichloracetic, bots lb. 2.00 - 2.50
Trichlorophenoxyacetic (see under T.2,4,5-T).
Tungstic, tech., kgs., works lb. 4.30 - —
Undecylenic, dms. lb. 1.40 - —
Aconite leaves, bls lb. .25 - .35
Root, bls lb. .45 - .50
Aconitine, amorph., mild, bots oz. 27.50 - 32.50
cryst., potent, bots oz. 78.00 - 85.00
Acrolein, dms., works lb. .50 - —
Acrylonitrile, dms., c.l., works lb. .44½ - —
l.c.l., works lb. .45 - .47
tanks, works lb. .43 - —
Adeps lanae (See Lanolin).
Adonis vernalis herb, bls lb. .22 - .24
Agar, USP, Kobe No. 1 strip, bls. lb. 1.25 - 1.50
powdered, 30 mesh, fib. dms lb. 1.60 - 1.85
Agaric, white, bls lb. 2.25 Nom.
Agrimony herb, bls lb. .25 - .30
Alanine dextro-laevo, dms., works. lb. 8.50 - 11.00
Albumen (egg) edible, flake, bbls., lb. 1.72 - 1.74
powd., bbls lb. 1.76 - 1.80
tech., cryst., bbls lb. 1.00 - 1.08
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. lb. .70 - .80
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .31¾ - —
l.c.l., dlvd lb. .32½ - —
tanks, dlvd. lb. .30 - —
Amyl ex fusel oil (see Fusel oil, ref.)
ex pentane, dms., c.l., frt. alld. E. Miss lb. 21 - —
l.c.l., frt. alld. E. of Miss lb. .22 - —
tanks, frt. alld. E. of Miss lb. .19 - —

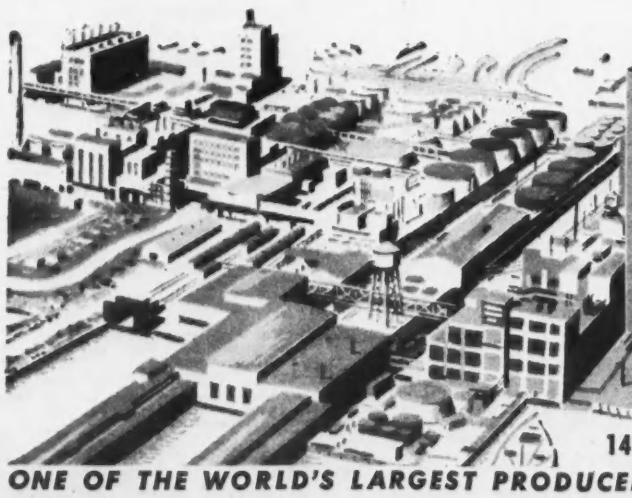
Alcohol, amyl, fermentation, refined, 126-132° C, dms., c.l., dlvd. lb. .33¾ - —
l.c.l., dlvd lb. .34¾ - —
tanks, dlvd lb. .32 - —
128-132° C., dms., l.c.l., dlvd. lb. .36½ - —
ACS grade, dms., l.c.l., dlvd lb. .38½ - —
Benzyl, NF, dms lb. .64 - .80
tech., dms., dlvd lb. .47½ - .49
Butyl, fermentation, normal, dms., c.l., frt. alld lb. .20 - .29¾
l.c.l., frt. alld lb. .21 - .30¾
tanks, frt. alld lb. .18¼ - .28
synthetic, normal, dms., c.l., frt. alld lb. .20 - —
l.c.l., frt. alld lb. .21 - —
tanks, frt. alld lb. .18¼ - —
secondary, dms., c.l., frt. alld. lb. .12¾ - .14¾
l.c.l., dlvd., frt. alld lb. .13½ - .15½
tanks, dlvd., frt. alld lb. .11 - .13
tertiary, dms., c.l., frt. alld. lb. .13¾ - —
l.c.l., frt. alld lb. .14½ - —
tanks, frt. alld lb. .12 - —
Capryl, 85%, dms., c.l., works lb. .15 - —
l.c.l., works lb. .15½ - —
tanks, works lb. .13½ - —
95%, dms., c.l., works lb. .16½ - .20¼
l.c.l., works lb. .17 - .22¾
tanks, works lb. .15 - .20¼
Cetyl, NF, fib. ctns., 140-lb. lots, or more lb. .72 - .95
smaller lots lb. .72 1.00
extra, 300-lb. lots or more lb. 1.32 - —
smaller lots lb. 1.37 - —
Cinnamic, bots lb. 2.25 - 3.20
Decyl, bots lb. 1.70 - 2.00
Denatured, CD12, CD13, CD14, dms., c.l., dlvd. E. of Rockies gal. .87 - —
l.c.l., dlvd., same basis gal. .91 - .96
tanks, dlvd., same basis gal. .75 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Proprietary solvent, dms., c.l., dlvd. E. of Rockies gal. .69½ - .88
l.c.l., same basis gal. .73½ - .97
tanks, same basis gal. .57½ - .76
Tankcar sales require written authorization by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Rockies gal. .88 - —
l.c.l., same basis gal. .92 - .97
tanks, same basis gal. .57½ - .76
SD2B, dms., c.l., dlvd. E. of Rockies gal. .88 - —
l.c.l., same basis gal. .92 - .97
tanks, same basis gal. .56 - .76
SD3A, dms., c.l., dlvd. E. of Rockies gal. .86 - —
l.c.l., same basis gal. .90 - .95
tanks, same basis gal. .56 - .74
SD23A, dms., c.l., dlvd., E. of Rockies gal. .86½ - .87
l.c.l., same basis gal. .90½ - .96
tanks, same basis gal. .74½ - .75
SD23H, dms, c.l., dlvd. E. Rockies gal. .87 - —
l.c.l., same basis gal. .91 - .96
tanks, same basis gal. .58 - .75
SD27A, dms., c.l., dlvd. E. of Rockies gal. 1.34½ - 1.48½
l.c.l., same basis gal. 1.38½ - 1.57½
tanks, same basis gal. 1.22½ - 1.36½
SD29, dms., c.l., dlvd. E. of Rockies gal. .88½ - —
l.c.l., same basis gal. .92½ - .97½
tanks, same basis gal. .76½ - —
SD30, dms., c.l., dlvd. E. of Rockies gal. .84½ - —
l.c.l., same basis gal. .88½ - .93½
tanks, same basis gal. .72½ - —
SD35A, dms., c.l., dlvd. E. of Rockies gal. .89½ - —
l.c.l., same basis gal. .93½ - .98½
tanks, same basis gal. .61½ - .77½
SD40, dms., c.l., dlvd. E. of Rockies gal. .88½ - —
l.c.l., same basis gal. .92½ - .97½
tanks, same basis gal. .58 - .76½
Diacetone, acetone free, dms., c.l., dlvd lb. .13¾ - —
l.c.l., dlvd lb. .14½ - —
tanks, dlvd lb. .12 - —
tech., dms., c.l., dlvd lb. .13¼ - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11½ - —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies gal. 20.82 - —
l.c.l., same basis gal. 20.86 - 20.91
tanks, same basis gal. 20.70 - —
tax free, dms., c.l., dlvd. E. of Rockies gal. .87 - —
l.c.l., same basis gal. .91 - .96
tanks, same basis gal. .55 - .75
absolute, 200 pf., tax paid, dms., c.l., dlvd. E. of Rockies, gal. 21.94 - —
l.c.l., same basis gal. 21.98 - 22.03
tanks, same basis gal. 21.82 - —
Ethylbutyl, dms., c.l., works lb. .29¼ - .29¼
l.c.l., works lb. .30 - —
tanks, works lb. .28 - —
Ethylhexyl, dms., c.l., dlvd. E lb. .30½ - —
l.c.l. same basis lb. .31½ - —
tanks, same basis lb. .29 - —
Furfuryl, tech., cns., works lb. .31 - —
dms., c.l., works lb. .22½ - —
l.c.l., works lb. .24 - —
tanks, works lb. .19½ - —
Isoamyl (see Alcohol, amyl fermentation, refined).
Isobutyl, dms., c.l., dlvd lb. .17½ - .19
l.c.l., works lb. .18½ - .20
tanks, dlvd lb. .15½ - .17½
Iso-octyl, dms, c.l., works lb. .29¼ - —
l.c.l., works lb. .29¾ - —
tanks, works lb. .26¼ - —
Isopropyl refd., 91%, dms., incl., c.l., dlvd gal. .5050 - .5225
l.c.l., dlvd. gal. .5350 - .5640
tanks, dlvd gal. .3850 - —
95%, dms., incl., c.l., dlvd gal. .53 - —
l.c.l., dlvd gal. .58 - —
tanks, dlvd gal. .41 - —
99%, dms., incl., c.l., dlvd gal. .55 - .56¾
l.c.l., dlvd gal. .60 - .61
tanks, dlvd gal. .43 - —
Lauryl, bots lb. 2.00 - 2.50
Methyl (see Methanol).
Methylamyl (see Carbinol, methyl-isobutyl)
Octyl, perfumer's grade, bots lb. 1.70 - 3.25
technical (see Octanol normal).
Pantothenyl (see Panthenol).
Phenylethyl, dms lb. 1.57 - 2.15
Polyvinyl, various grades, bgs., ton lots, works lb. .72½ - .76
smaller lots, works lb. .77½ - .81
Propyl, normal, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Waverly, N. Y. lb. .49½ - —
dms., Niagara Falls, N. Y. lb. .42½ - —
l.c.l., Waverly, N. Y. lb. .45 - —
tanks, Niagara Falls, N. Y. lb. .40 - —
industrial grade, dms. c.l., Niagara Falls, N. Y. lb. .29 - —
l.c.l., Waverly, N. Y. lb. .30 - —
tanks, Niagara Falls, N. Y lb. .27 - —
Aldol, 95%, dms., works lb. .23 - —
denaturing grade, dms gal. 2.15 - —
Aldrin, 60% solut., dms., c.l., works, frt. alld lb. .93 - —
l.c.l., works, frt. alld lb. 1.05 - —

PUBLICKER PRODUCTS INCLUDE:

ETHYL ALCOHOL

PURE ALCOHOL
SPECIALLY DENATURED ALCOHOL
ALL FORMULAE
COMPLETELY DENATURED ALCOHOL
PACO SOLVENT (TR 590)
All Products Available in 190 and 200 Proof

WHETHER you're filling a formula that calls for ethyl alcohol as "2 ccm sp. vini sicat ux" or using a tank car a day, Publicker can supply you with products of known purity and absolute uniformity—always. And, while our productive capacity is the world's largest, we consider Quality Control and Customer Service of greater importance in warranting your patronage.

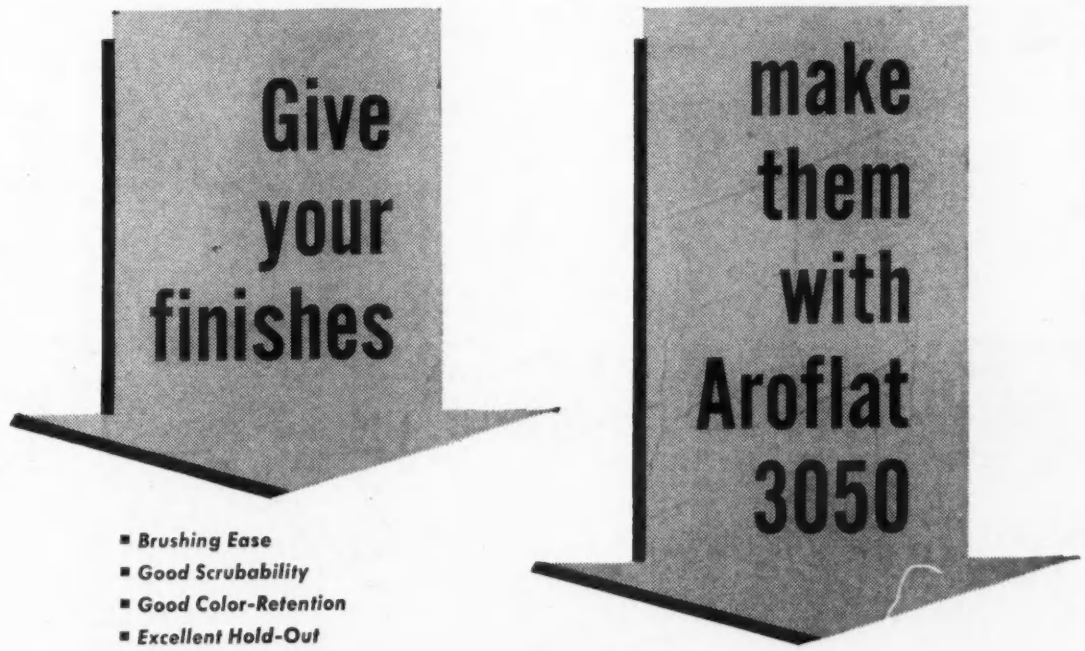


PUBLICKER INDUSTRIES INC.

1429 WALNUT STREET, PHILA. 2, PA.

ONE OF THE WORLD'S LARGEST PRODUCERS OF ALCOHOLS AND SOLVENTS

Aletris root, bgs.....lb. 1.35 - 1.40
Alizarin (see Red alizarin).
Alkanet, root, bgs.....lb. .30 - .50
Allethrin, 100%, dms., works...lb.42.50 - —
90%, dms., works.....lb.38.25 - —
solution, 20%, dms., 100-lb. lots, works. lb. 8.55 - 9.55
2½%, dms., works.....gal. 7.55 - —
Allspice (see Pimento).
Allyl, bromide, cbys., works.....lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd.....lb. .16¾- —
l.c.l., dlvd.....lb. .17½- —
tanks, dlvd.....lb. .15 - —
Starch, solid, dms., works.....lb. .52¾- .54¾
solution, 40% toluol-butanol, dms., works. lb. .25½- .26¼
Aloe, Cape, cs.....lb. .40 - .45
powdered, cs.....lb. .50 - .55
Curacao, kegs.....lb. .60 - .65
Socotrine, kegs.....lb. .25 - .35
Aloin, USP, bbls., dms., kgs....lb. 4.25 - 4.77
Alphanaphthol, bbls., frt. alld....lb. .85 - —
Alphanaphthylamine, bbls., frt. alld. lb. .45 - —
Alphanaphythylthiourea, 93-98%, fib. dms., works, frt. alld. lb. 2.00 - 2.40
Alphanitronaphthalene, bbls., frt. alld. lb. .41 - —
Alphapicoline, ret. dms., c.l., works, frt. equald. lb. .39½- —
l.c.l., works, frt. equald..... lb. .40 - —
Alphapinene, tanks, South, works.. gal. No prices.
Alphaterpineol dms., l.c.l. dlvd. E. lb. .17 - —
Alphatocopherol, bots. ..... kilo.350.00 - —
Acetate, bots. ..... kilo.350.00 - —
Althea root, NF, peeled, bis.... lb. .20 - .33
Alum ammonium, gran., dms., works. 100 lbs. 4.30 - 4.70
lump, dms., works....100 lbs. 4.55 - 4.95
powd., dms., works....100 lbs. 4.70 - 5.10
USP, burnt, dms..... lb. .20 - .21
hydrous, dms..... lb. .07¾- .08
Potassium, gran., dms., works. 100 lbs. 4.55 - 4.95
lump, dms., works....100 lbs. 4.80 - 5.20
powd., dms., works....100 lbs. 4.95 - 5.35
USP, burnt, dms..... lb. .20 - .21
hydrous, dms..... lb. .07¾- .08
Potash-chrome, dms..... lb. .17 - —
Sodium, dms., c.l., works..100 lbs. 4.60 - —
l.c.l., works.....100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works. lb. .0385- —
l.c.l., works..... lb. .0425- .0530
crystalline (see Aluminum oxide).
Aluminum acetate, basic solut., 24%, bbls., l.c.l., works lb. .14 - —
Chloride, com'l. anhyd., dms., c.l., works, frt. equald lb. .15 - —
l.c.l., works, frt. equald. lb. .15½- —
cryst., dms., c.l., works.... lb. .1030- —
l.c.l., works..... lb. .1070- —
solution, 32°, cbys., c.l., works. lb. .0369- —
l.c.l., works..... lb. .0435- .0960
tankcars, works. 100 lbs. 2.80 - —
NF, gran., dms., works..... lb. .29 - .31
Fluoride, tech., anhyd., bbls., c.l., works. lb. .11½- —
l.c.l., works..... lb. .14½- —
Formate, basic solution, cbys. lb. .09½- —
l.c.l., works..... lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald. ton.60.00 - —
l.c.l. works..... ton.65.00 -85.00
light bgs., dlvd..... lb. .17 - —
Hydroxide, gel., pharmaceutical, 14-15%, Al_2O_3, fib. dms., works lb. .24 - —
contract, works.... lb. .22 - —
9-9½%, Al_2O_3, fib. dms., works lb. .20 - —
contract, works.... lb. .19 - —
dried, USP, XIV, fib. dms., works lb. .83 - —
contract, works.... lb. .80 - —
powder, tech (see Aluminum hydrate).
Laurate, precip., bbls..... lb. .44 - —
Metal, 99%+, ingots, 10,000 lbs. lb. .19 - —
pigs, 10,000 lbs..... lb. .18 - —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour classified, 8-240 mesh, dms. frt. alld. lb. .14 - .15
kgs. ton frt. alld....lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld. lb. .32 - .33
kgs., frt. alld..... lb. .31 - —
500 mesh, dms., frt. alld. lb. .35 - .37
kgs., frt. alld..... lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs., frt. alld..... lb. .50 - —
Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd.... lb. .36 - .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld..... lb. .15 - —
Paste, lining, extra-fine, dms lb. .59½- —
standard, dms..... lb. .41 - —
Powder, lining, extra fine, dms.lb. .97½- —
standard, dms..... lb. .68½- —
rubber comp., dms..... lb. .58½- —
unpolished standard, dms....lb. .54½- —
varnish standard, dms..... lb. .59 - —
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb for 50-lb. dm., 3c. per lb. for 10-lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.
Resinate, precip., dms., frt. alld. lb. .26½- —
Stearate, dibasic, ctns., c.l.... lb. .33 - —
ton lots or less..... lb. .34 - —
monobasic, ctns., c.l..... lb. .33 - —
ton lots or less..... lb. .34 - —
tribasic, ctns., c.l..... lb. .33 - —
ton lots or less..... lb. .34 - —
Sulphate, com'l, bulk c.l., works. 100 lbs. 1.65 - —
ground, bgs., works..... ton.33.00 - —
lump, bgs., works..... ton.36.00 - —
iron-free bgs., c.l., works, frt. equald 100 lbs. 3.25 - —
l.c.l. works 100 lbs. 3.65 - 6.15
USP, gran., dms., works... lb. .29 - .50
powd., dms., works..... lb. .36 - .38
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots..... oz. 8.00 -10.00
Ambrette seed, bgs..... lb. .65 - .66
Aminoazotoluene, bbls..... lb. .94 - 1.03
Aminoethylethanolamine, dms., c.l., works lb. .47 - —
l.c.l., works..... lb. .47½- —
tanks, works..... lb. .45 - —
Aminomethylpropanol, cns., dms., works lb. .60 - —
Aminophyllin, USP, 100-lb. dms..lb. 4.85 - —
Aminopyrine, USP, bots., dms..lb. 6.00 - 6.15
Ammonia anhydrous, fertilizer, tanks, works .ton.79.00 -80.00
pure, cyls., extra, zone 1....lb. .17 - .17½
2.....lb. .19 - .19½
3.....lb. .21 - .21½
4.....lb. .16 - .19½
refrigeration, tanks, works .ton.80.00 -82.50
Aqua (29.4% NH_3), dms., c.l., works..100 lbs. 3.10 - —
l.c.l., works.....100 lbs. 3.50 - —
tanks, works, anhyd. basis..ton.80.00 -86.00
Ammoniac gum (see Gum ammoniac).
Sal, gray, bgs., c.l., works, frt. equald..100 lbs. 8.25 - —
l.c.l., same basis.....100 lbs. 8.65 -11.15
white, gran., bgs., c.l., works 100 lbs. 5.00 - —
l.c.l., works.....100 lbs. 6.50 - —
Ammoniacal liquor, tankcars, works, anhyd. basis ton.75.00 -80.00
Ammonium acetate, purified, dms.lb. .43 - —
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld. lb. .80 - —
smaller lots, frt. alld. lb. .81 - 1.08
Biborate, bbls., c.l., works... ton.312.00 - —
ton lots, ex whse ..... ton.375.00 - —
less ton lots, ex whse ...ton.380.00 - —
Bicarbonate, dom., dms., c.l., works. lb. .06 - —
l.c.l., works..... lb. .07 - —
imported, dms., l.c.l..... lb. .07¼- .08½
Bichromate, bbls., works..... lb. .33 - .38
Bifluoride, dms., dlvd..... lb. .18¾- .19¾
Bromide, gran., NF, bbls..... lb. .38 - .39
dms..... lb. .39 - .42
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms lb. .23 - .24
Chloride, tech. (see Ammoniac sal)
USP, gran., bbls., dms..... lb. .19 - —
Ammonium citrate, dibasic, bots.lb. .75 - —
dms..... lb. .80 - .85
Fluoride (see Ammonia bifluoride).
Hydroxide see Ammonia aqua).
Hypophosphite, NF, dms..... lb. 2.40 - —
Iodide, NF, bots., jars..... lb. 4.01 - 4.13
Linoleate, 80%, dms., works.... lb. .50 - .55
Nitrate, fertilizer grade, Canadian eastern, 33.5% N, bgs., c.l., shipping point..ton.72.50 - —
western, 33.5% N, bgs., del., f.o.b. cars, Los Angeles ton.83.02 - —
domestic, bgs., western, works ton.64.00 - —
with dolomite, 20.5% N, bgs., Hopewell, Va. ton.51.00 - —
Oleate, 75%, dms., works..... lb. .55 - .60
Oxalate, fine gran., dms..... lb. .25 - .31
Pentaborate, gran., bbls., c.l., works. ton.222.00 - —
ton lots, ex whse ..... ton.285.50 - —
less ton lots, ex whse .....ton.290.00 - —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works..... lb. .50 - .75
Persulphate, kgs..... lb. .30 - .35
Phosphate com'l, bgs., c.l., works. lb. .08¼- —
l.c.l., works..... lb. .08¾- —
dibasic, NF, V, bbls., dms .lb. .45 - —
tech., bgs., c.l., works ... lb. .06 - —
l.c.l., works..... lb. .08½- —
Salicylate, NF, dms., kgs..... lb. 1.34 - 1.35
Silicofluoride, dms., works ... lb. .14 - —
Sulphamate, bbls., dms., works.lb. .18 - .20
Ammonium sulphate, coke-oven, bulk, producing ovens..ton.40.00 -45.00
synthetic, bgs., tanks..... ton.54.50 - —
bulk, works..... ton.51.50 - —
Sulphide, liq., 40-45%, dms., c.l., basis 100%, works ton.211.50 - —
l.c.l., basis 100% works.ton.312.50 - —
tanks, dlvd. or frt. alld....ton.181.50 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works lb. .18 - —
l.c.l., works..... lb. .19 - .30
Thioglycollate, com'l, cbys., 100% basis lb. 1.60 - —
highly purified, cbys., 100% basis lb. 1.70 - 1.96
Thiosulphate cryst., photo grade, fib dms. frt. alld lb. .50 - .55
Amphetamine citrate dextro, bots. lb.36.00 -40.00
dextro-laevo, dms..... lb. 6.50 - 7.00
Hydrochloride, dibasic, dextro, bots lb.36.00 -40.00
dextro-laevo, dms..... lb. 6.50 - 7.00
monobasic, dextro, bots.....lb.36.00 - —
Phosphate, dibasic, dextro, bots.lb.36.00 -40.00
dextro-laevo, dms..... lb. 6.50 - 7.00
Sulphate, dextro, dms..... lb.36.00 -40.00
dextro-laevo, dms..... lb. 6.50 - 7.00
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd lb. .19¾- .30¾
l.c.l., dlvd..... lb. .20¾- .31¾
tanks, dlvd..... lb. .18 - .29
ex pentane, dms., c.l., frt. alld. E. of Miss. R lb. .21½- —
l.c.l., same basis..... lb. .22½- —
tanks, same basis..... lb. .19½- —
Alcohol (see Alcohol, amyl).



- *Brushing Ease*
- *Good Scrubability*
- *Good Color-Retention*
- *Excellent Hold-Out*
- *Good Flexibility*
- *Good Pigment Suspension and Stability*

U.S.I.'s new low-cost, complete vehicle for high-quality flat finishes

U.S.I. has developed the new AROFLAT 3050 to meet paint industry demand for a low-cost, complete vehicle for high-quality, one-coat flat paints. AROFLAT 3050 is a modified alkyd vehicle which makes your paints *easy to apply* and gives them excellent non-penetration. Viscosity of the new resin makes possible easy handling in tank-cars, tank-wagons, and drums.

AROFLAT 3050 is made from non-critical raw materials, so you can be assured of ready availability. Contact your nearest U.S.I. office *today* for complete technical information.

Specifications—Aroflat 3050

Non-Volatile	39-41%
Solvent	Mineral Spirits
Viscosity (G-H)	P-W
Acid Number of Non-Volatile	10 Max.
Color (Gardner Standards '33)	10 Max.
Approximate Range, Wt./Gal. @ 25° C. (Solution)	7.2-7.3 lbs.

U.S.I. INDUSTRIAL CHEMICALS CO.
Division of National Distillers Products Corporation
60 East 42nd Street, New York 17, N. Y.
Branches in all principal cities

Amyl Butyrate—Black, Carbon, Channel

Amyl butyrate, dms ..... lb. .90 - 1.05
Cinnamic aldehyde, dms ..... lb. 1.80 - 2.20
Nitrite, USP, bots ..... lb. 1.75 - 1.83
Salicylate, cns., dms ..... lb. .77 - .95
Anethol, NF, cns., dms ..... lb. 1.35 1.60
Angelica root, dom., bls ..... lb. .60 - .70
imported, bls. ..... lb. .50 - .80
Angostura bark, bls ..... lb. .43 - .48
Anilin oil, dms., c.l., works, frt. alld. lb. .19 - —
l.c.l., works, frt. alld .. lb. .20 - —
tanks, works, frt. alld ..... lb. .18 - —
Salt, dms., frt. alld ..... lb .39 - —
Anise, Chinese, star, bgs., afloat lb. .65 - .66
Czech, bgs ..... lb. .13½- .14
Mexican, bgs ..... lb. .15 - .15½
Spanish, bgs ..... lb. .15½- .16
Turkish, bgs ..... lb. .14 - .14½
Anisic aldehyde, bots., dms .... lb. 2.50 2.85
Annatto powder, dms ..... lb. .24 - .25
Seed, bgs ..... lb. .22 Nom.
Anthracene, 80-85%, bbls., works lb. 1.10 —
90%, bbls., works ..... lb. 1.25 - —
Anthraquinone, 99.5%, bbls., frt. alld lb. .85 .88
Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines ..... lb. .50 - —
cases, c.l., mines ..... lb. .50½- —
Oxide, bgs., c.l., frt. alld .... lb. .44½- —
l.c.l., frt alld ..... lb. .45½- —
Sulphide, 62-64%, bgs., frt. alld., dlvd lb. .42 - .42½
Trichloride, pails, c.l., works .. lb. .35¾- .50
l.c.l., works ..... lb. .37¾- .52
solution, cbys. ..... lb. .29 - .30
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, NF, dms ..... lb. 2.50 - 2.60

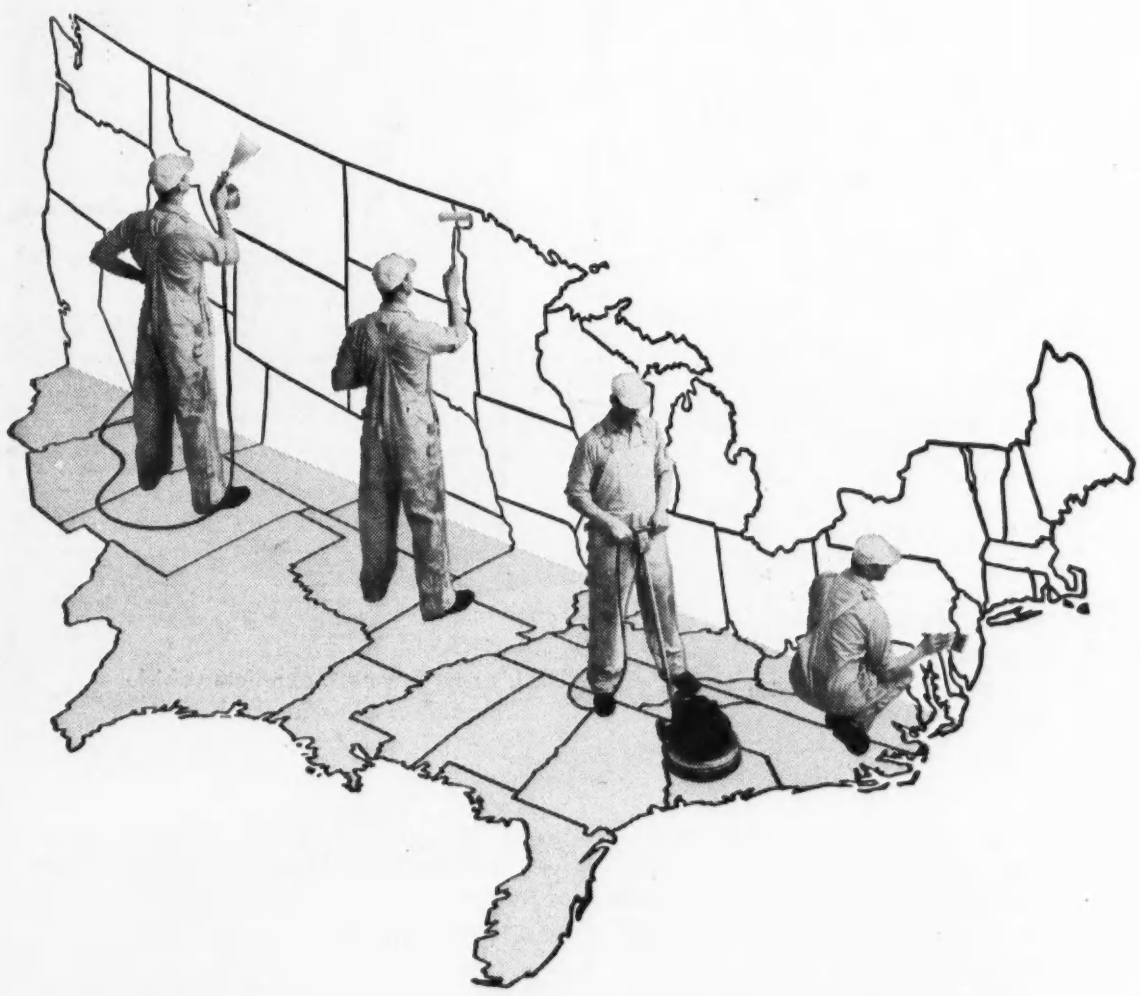
Apomorphine hydrochloride, USP, bots oz. 23.40 -23.90
Areca nuts, powd., bbls ..... lb. .13 - .16
Arecoline hydrobromide, NF, bots. tins ..... oz. 5.00 5.75
Arginine monohydrochloride, laevo, dms., 1 kilo lots .kilo. 77.00 - —
Argols, min 50%, bgs., shipment ports, per 100 kilos (100% basis) 40.00 - —
Arnica (true montana) flowers, bls. lb. .55 - .75
root, bls ..... lb. 1.45 - —
Arrowroot, powd., bgs ..... lb. .11 - .14
Arsenic metal lump bbls., prompt ship't lb. .80 - .90
Trioxide, USP dms ..... lb. .40 - —
White, powd., bbls., c.l., dlvd lb. .06½- —
l.c.l., dlvd ..... lb. .07½- .08½
Asafetida, cs ..... lb. .32 - .35
powd., bbls., dms ..... lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.)
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton. 1,300.00- —
No. 2, c.l. (20 tons), mines ton. 675.00 - —
Run-of-mine, c.l. (20 tons), mines ton. 556.00 - —
fiber, 3K, c.l. (20 tons), mines. ton. 436.00 - —
3R, c.l. (20 tons), mines .ton. 371.00 - —
3T, c.l. (20 tons), mines .ton. 348.00 - —
3Z, c.l. (20 tons), mines .ton. 321.00 - —
4K, c.l. (20 tons), mines .ton. 173.00 - —
4M, c.l. (20 tons), mines .ton. 173.00 - —
4T, c.l. (20 tons), mines .ton. 156.00 - —
4Z, c.l. (20 tons), mines .ton. 156.00 - —
5D, c.l. (20 tons), mines .ton. 122.50 - —
5K, c.l. (20 tons), mines .ton. 122.50 - —
5M, c.l. (20 tons), mines .ton. 116.50 - —
5R, c.l. (20 tons), mines .ton. 110.00 - —
6D, c.l. (30 tons), mines .ton. 78.00 - —

Asbestos, Canadian, fiber, 7D, c.l. (30 tons), mines .ton. 68.50 - —
7F, c.l. (30 tons), mines .ton. 65.00 - —
7H, c.l. (30 tons), mines .ton. 55.00 - —
7K, c.l. (30 tons), mines .ton. 46.00 - —
7M, c.l. (30 tons), mines .ton. 40.00 - —
7R, c.l. (30 tons), mines .ton. 39.00 - —
7T, c.l. (30 tons), mines .ton. 37.00 - —
7RF, c.l. (30 tons) mines .ton. 40.00 - —
7TF, c.l. (30 tons), mines .ton. 40.00 - —
8S, c.l. (30 tons), mines .ton. 27.00 - —
Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.
Asphalt, gilsonite, black, seconds, 300°-390°F. fusing point not uniform, bgs., c.l., Colo. ship. pt .ton. 34.00 - —
select, 350°F. fusing point, bgs., c.l., same basis .ton. 38.00 - —
270°-295°F. fusing point, bgs., c.l., same basis .ton. 37.00 - —
jet, bgs., c.l., same basis .ton. 34.00 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
Petroleum, cut-back, tanks, tank-wagon, refinery gal. .09 - —
emulsion tanks, tank-wagon, refinery gal. .09½- .10
steam-refd., less than 80 penetration, tanks, tank-wagon, refinery ton. 22.00 - —
80-300 penetration, tanks, tank-wagon, refinery ton. 21.00 - —
Aspirin (see Acid, Acetylsalicyclic.)
Atropine, USP, bots ..... oz. 9.00 -11.50
Sulphate, USP, bots ..... oz. 5.60 - 6.30

B

Bacitracin, wholesalers, unlabeled, topical, 2,000 units .vial. .42 - —
10,000 units ..... vial. .80 - —
50,000 units ..... vial. 2.88 - —

Balm of Gilead buds, dried, bgs lb. 1.35 1.45
Barberry, root, bark, bags ..... lb. .35 - .40
tree bark, bgs ..... lb. .40 - .45
Barbital, USP, 100-lb. dms ..... lb. 5.00 - —
Sodium, USP, dms ..... lb. 5.25 5.27
Barium carbonate, precip., bgs., c.l., works .ton. 85.50 - —
smaller lots, works ..... ton. 95.50 - —
Chlorate, kgs., works ..... lb. .30 - .35
Chloride, anhyd., bgs., c.l., works. bgs .ton. 152.00 - —
l.c.l., works ..... ton. 162.00 - —
NF, cryst., dms ..... lb. .18 - .21
Chromate, bgs., frt. equald .. lb. .31½- .32
Dioxide (see Barium peroxide).
Hydrate, crystals, bgs ..... ton. 190.00 -200.00
Iodide, bots. ..... lb. 6.14 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works ..... lb. .12½- —
l.c.l., works ..... lb. .14 - —
Oxide, grd., dms., c.l., works. ton. 250.00 - —
l.c.l., works ..... ton. 260.00 - —
Peroxide, dms., works ..... lb. .16 - —
Stearate, ctns., c.l. ..... lb. .37 - —
ton lots ..... lb. .38 - —
less ton lots ..... lb. .39 - —
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls. ..... lb. .14 - —
Sulphide, dms., c.l., works ... ton. 71.50 - —
l.c.l., works ..... ton. 81.50 - —
Baryte ore, approx. 94%, $BaSO_4$, bulk, mines ton. 9.40 -12.50
Barytes, Southern off-color, bgs., mines ton. 20.00 - —
95.75%, bgs., mines ..... ton. 20.00 - —
water grd., paper bgs., c.l., St. Louis ton. 37.60 -37.85
ex-whse., N. Y. ..... ton. 53.45 -61.75
Bauxite, bulk, mines ..... ton. 9.50 -10.00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls ..... lb. .40 - .45
root, bls ..... lb. .45 - .50
Bentonite, 200 mesh bgs., works. ton. 12.50 - —
Bentonite, Italian, white, high gel, bgs., l.c.l., works. ton. 71.40 - —
5 ton lots ton. 68.90 - —
ex dock, 10 ton lots ton. 57.00 - —
Bentonite, white, low gel, bgs., l.c.l., works ton. 69.70 - —
5-ton. 67.20 - —
ex dock, 10 ton lots, ton. 55.00 - —
Benzaldehyde, NF, dms ..... lb. .74 - .79
tech., cbys., dms ..... lb. .49 - .54
Benzal chloride, cbys., works ... lb. .22 - .23½
Benzene (see Benzol).
Hexachloride, 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit lb. .015 - .020
l.c.l., works, gamma unit lb. .019 - .021
gamma, dust, dry, distributors, dms., c.l., dlvd., gamma unit lb. .02 - .0275
l.c.l., works, gamma unit, lb. .0275- —
wet, distributors, dms., c.l., dlvd., gamma unit. lb. .0325- —
l.c.l., dlvd., gamma unit lb. .0375- .0400
Benzidine, base, bbls ..... lb. 1.02 - —
Hydrochloride, bbls., frt. alld lb. .94 - —
Benzocaine, dms ..... lb. 3.50 - 3.77
Benzol, pure, nitration, tanks, works, Bethlehem, Pa ..... gal. .37 - —
Birmingham district .. gal. .30 - .35
Chicago district ..... gal. .30 - .35
Cleveland district .... gal. .30 - .35
Geneva, Utah ..... gal. .30 - —
Johnstown, Pa ..... gal. .35 - —
Lackawanna, N. Y. ... gal. .37 - —
Lone Star, Texas ..... gal. .37 - —
Lorain, Ohio ..... gal. .30 - —
Minaqua, Colo ..... gal. .35 - —
Philadelphia, Pa ..... gal. .37 - .39
Pittsburgh district ... gal. .30 - .35
Sparrows Point, Md .. gal. .37 - —
Syracuse, N. Y ..... gal. .37 - —
Terre Haute, Ind .... gal. .35 - —
Wyandotte, Mich .... gal. .38¼- —
Youngstown, Ohio .... gal. .35 - —
Benzophenone, dms ..... lb. 1.45 - 1.70
Benzotrichloride, cbys., frt. equald lb. .18 - .20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald lb. .20½- .23½
l.c.l., same basis ..... lb. .21½- .24½
Peroxide, pure, fib. ctns., works. lb. .90 - 1.05
Benzyl acetate, f.f.c., cns., dms lb. .65 - 1.05
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .80 - —
Chloride, tech., cbys., c.l., works, frt. equald lb. .21 - —
l.c.l., same basis ..... lb. .22 - —
High grade benzyl chloride, 2c. higher.
Cinnamate, cns ..... lb. 3.00 - 4.00
Formate, cns ..... lb. 1.60 - 2.10
Propionate, bots ..... lb. 1.35 - 1.80
Salicylate, bots ..... lb. 1.65 - 1.85
Benzylidinacetone, bots ..... lb. 1.68 - 2.45
Benzylisoeugenol, bots ..... lb. 8.80 -10.50
Berberine bisulphate, cns ..... lb. 35.00 -36.25
Hydrochloride, bots ..... lb. 35.00 -36.25
Sulphate, cns ..... lb. 35.00 -36.25
Berberis root, bls ..... lb. .22 - .30
Betagammapicoline, 5°, dms., c.l., works lb. .29½- —
l.c.l., works ..... lb. .30 - —
Betamethylnaphthalene, 32°C m.p., dms., works lb. .90 - —
Betanaphthol, resublimed, dms., works lb. .78½- —
tech., bbls., c.l., works ... lb. .32 - .32½
l.c.l., works ..... lb. .34 - —
Betanaphthol benzoate, fib. dms., works lb. 3.00 - —
Custom contract ..... lb. 1.65 - 1.85
Salicylate, dms ..... lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. 1.05 - 1.10
Betaphenylethylamine, dms., works, 1,000-lb. lots .lb. 1.25 - —
smaller lots ..... lb. 1.30 - 1.60
Betapicoline, 98%, dms., works .lb. 1.05 - —
Beth root, bls ..... lb. .45 - .50
Biotin, cryst., bots ..... gram. 10.00 - —
Bismuth chloride, jars ..... lb. 5.11 - —
Hydroxide, dms ..... lb. 4.65 - —
Metal, bxs., ton lots ..... lb. 2.25 - —
Nitrate, cryst., dms ..... lb. 2.17 - —
Oxide, anhydrous, dms ..... lb. 4.47 - 4.85
Oxychloride, dms ..... lb. 4.32 - 4.37
Phenolsulphonate, fib. dms .... lb. 5.22 - —
Subcarbonate, USP, dms ..... lb. 3.20 - —
Subgallate, NF, fib. dms ..... lb. 3.15 - —
Subiodide, fib. dms ..... lb. 5.37 - —
Subnitrate, NF, dms ..... lb. 2.65 - —
Subsalicylate USP, dms ..... lb. 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Black, acetylene, bgs., c.l., works lb. .15 - —
cs., l.c.l., ship't point ..... lb. .19 - .21
Bone, bgs., bbls., dlvd., c.l. .... lb. .14¾- .18¾
Carload price ½c. per lb. less. Deliveries to the Pacific Coast ex dock or whse., 1½c. per lb. higher.
Carbon, channel, heads, bulk, c.l., works lb. .07 - —
bgs., c.l., works ..... lb. .0740- —
l.c.l., dlvd. or whse ... lb. .1225- —
uncompressed, regular, bgs., c.l., works lb. .10 - —
bgs., ctns., l.c.l., dlvd. or whse lb. .10 - —



CSC covers a lot of territory

Producer of solvents, plasticizers, stabilizers, emulsifiers, anti-foam agents, and pigment-grinding aids, CSC plays a major role in the protective-coating industry.

Whatever you make—lacquer, paint, enamel, varnish, shellac, dopes, wax emulsions, or resins—there's a CSC product to help you make it better, faster, and more economically. Industrial Chemicals Division, Commercial Solvents Corporation, 17 East 42nd St., New York 17, N. Y.

INDUSTRIAL CHEMICALS DIVISION

CSC COMMERCIAL SOLVENTS CORPORATION

ACIDS • ALDEHYDES • ALCOHOLS • ESTERS • AMINES • AMINO ALCOHOLS
NITROGEN COMPOUNDS • NITRO COMPOUNDS • SOLVENTS • PLASTICIZERS • INTERMEDIATES

Black, carbon, furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse lb. .10 - —
high abrasion, bulk, c.l., works lb. .0750- —
bgs., c.l., works lb. .0790- —
l.c.l., dlvd. or whse. lb. .1250- —
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .04 - —
ctns., l.c.l., whse lb. .08 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works lb. .1175- —
l.c.l., works lb. .12 - —
Lamp, bgs., c.l., works lb. .16 45
Mineral, bgs., works lb. .0160- .0675
Black ash (see Barium sulphide).
Blackberry bark of root, bls lb. .25 - .30
root, bls lb. .15 - .16
Black dyes (see Dyes).
Black haw, root, bark, bls lb. 75 - .80
tree bark, bls lb. .38 - .40
Black Indian hemp root, bls lb. .50 - .58
Blanc fixe, dry by-product, bgs., c.l., works ton.100.00 - —
l.c.l., works ton.110.00 - —
direct process, bgs., c.l., works. ton.90.00 - —
l.c.l., works ton.100.00 - —
N. Y. whse ton.120.00 -130.00
pulp, 66⅔%, bbls., c.l., works. ton.84.00 - —
l.c.l., same basis ton.92.00 - —
Bleaching powder, dms., c.l., works. 100 lbs. 6.00 - —
l.c.l., works 100 lbs. 7.50 - —
Blood, dried, 16-16½% ammo., bgs., unit-ton. 8.25 - —
high-grade, unground, 16-17% ammon, bgs., Chicago, unit-ton. 8.25 - —
soluble, bgs., c.l. lb. .17 - .18½
l.c.l. lb. .18 - .25
Bloodroot, bls lb. .68 - .70
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 2.00 - —
Toner, bbls., litho flushed, same basis lb. 1.10 - —
Chinese, bbls., same basis lb. .45 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.85 - —
resinated, bbls, same basis lb. 3.40 - —
water dispersable lb. 1.54 - —
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).
Methyl violet toner, molybdated, PMA bbls., same basis lb. 2.00 - —
tungstate, PTMA, bbls., same basis lb. 3.10 - —
Milori, bbls., same basis lb. .45 - —
Peacock, fugitive, 100% color strength, bbls., same basis. lb. .75 - —
Potash, CP, bbls., same basis lb. .56 - —
Prussian, non-soluble, bbls., same basis lb. .45 - —
soluble, bbls., same basis lb. .48 - —
Soda, C.P., bronze, bbls, same basis lb. .45 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .27 - .31½
regular types, dry, bbls., same basis lb. .23 - .31½
Victoria toner, molybdic, PMA, bbls lb. 3.90 - —
Tungstic PTMA, bbls lb. 4.25 - —
Blue, dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher. Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls lb. .50 - .55
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls lb. .08 - .12
Bone, raw bulk Atlantic ports ton.60.00 - —
Meal, raw, 4½% ammon. 50% phos., bgs., works, E. ton.75.00 - —
steamed, works, E. ton.85.00 - —
Phosphate, defluorinated (see D), precipitated (see Calcium phosphate tribasic precip).
Boneset leaves and tops, bls lb. .17 - .20
Borage flowers, bls lb. .40 - .49
Borax, tech. anhydrous, bgs., c.l., works ton.74.50 - —
ton lots, ex whse., N. Y. or Chi ton.120.23 - —
less ton lots, same basis. ton.125.25 - —
bulk, c.l., works ton.67.50 - —
crystals, 99½%, bgs., c.l., works ton.63.75 - —
ton lots, ex whse. N. Y. or Chi ton.109.50 - —
less ton lots, same basis ton.114.50 - —
bbls., c.l., works ton.88.25 - —
ton lots, ex whse., N. Y., or Chi ton.134.00 - —
less ton lots, same basis. ton.139.00- —
bulk, c.l., works ton.59.25 - —
granular, 99½%, bgs., c.l., works ton.37.75 - —
less ton lots, same basis. ton.88.50 - —
ton lots, ex whse., N. Y. or Chi ton.83.50 - —
bbls., c.l., works ton.62.25 - —
ton lots, ex whse., N. Y. or Chi ton.108.00 - —
less ton lots, same basis. ton.113.00 - —
bulk, c.l., works ton.33.25 - —
powder, bgs., c.l., works ton.42.75 - —
ton lots, ex whse., N. Y. or Chi ton.88.50 - —
less ton lots, same basis. ton.93.50 - —
bbls., c.l., works ton.67.25 - —
ton lots, ex whse., N. Y. or Chi ton.113.00 - —
less ton lots, same basis. ton.118.00 - —
bulk, c.l., works ton.38.25 - —
Borax packed in kgs. $45.50 per ton higher than in paper bgs. UPS borax $15 per ton higher.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point lb. .161 - .221
l.c.l., same basis lb. .171 - .241
Borneol, crs. lb. 2.25 - 2.50
Bornyl Thiocyanoacetate (see Isobornyl Thiocyanoacetate).
Borontrifluoride, gas, cyls., truckload, works lb. .62 - —
less truckload, works lb. .70 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies lb. .25 - —
1,000 lbs., same basis lb. .27 - —
dms., lead-lined, dlvd lb. .25 - —
Bromoform, pharmaceutical grade, bots lb. 1.62 - 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.40 - 5.70
Bronze powder, aluminum (see Al), Gold, litho, cns., dms., works, lb. .75 - .85
moulding, cns., dms., works lb. .85 1.00
printing ink, cns., dms., works lb. 1.05 1.25
radiator, cns., dms., works lb. .80 .85
Broomtop, bls lb. .30 .35
Brown, iron oxide, synth., bgs., works lb. .1275- .13
Oxide, metallic, bgs., works lb. .0375- —
Sap, crystals, bgs., works lb. .12 —
powdered, bgs lb. .13 —
Sienna, burnt paper bgs., c.l., works lb. .04¼- .15¼
l.c.l., works lb. .04½- .15½
raw, paper, bgs., c.l., works lb. .04½- .13
l.c.l., works lb. .04¾- .13¼
Umber, burnt, American, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06¼- —
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y. lb. .06¼- —
l.c.l., works lb. .06½ —
raw American, bgs., same basis lb. .06¼ .06½
Turkey type bgs., same basis lb. .06½ .06¾
Vandyke, bbls., works lb. .13 —
Brucine, cns., 100 ozs oz. .35 —
Sulphate, NF, cns., 100 ozs oz. .27 .30
Bryonia root, bls lb. .22 .34
Buchu leaves, bls lb. .35 - .40
Buckthorn bark, bls lb. .13 - .17
cut and sifted, bls lb. .18 - .23
Berries, bgs lb. .80 - .90
Burdock, root, bls lb. .22 - .26
Butadiene, cyls. refinery lb. .22 - —
tanks, same basis lb. .11½- .12½
Butane, indust., tanks, group 3 gal. .05 - —
Butternut bark, bls lb. .23 - .25
Butyl acetate, fermentation, normal, dms., c.l., frt. alld. E. lb. .20 - .27½
l.c.l., same basis lb. .21 - .28½
tanks, same basis lb. .18¼- .25¾
synthetic, normal, dms., c.l., same basis lb. .20 - —
l.c.l., same basis lb. .21 —
tanks, same basis lb. .18¼- —
secondary, dms., c.l., same basis lb. .14¾- —
l.c.l., same basis lb. .15½- —
tanks, same basis lb. .13 - —
Alcohol (see Alcohol butyl).
Aldehyde, dms., c.l., dlvd lb. .23½- —
l.c.l., dlvd. lb. .24½- —
tanks, dlvd. lb. .20¾- —
Chloride, dms., c.l., works lb. .43½- —
l.c.l., works lb. .44 - —
Ether (see Ether, butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .49¾- —
l.c.l., same basis lb. .50¾- —
tanks, same basis lb. .46 - —
Laurate, dms., works lb. .39 - —
Methacrylate, normal, dms., less than truckload, works lb. .70 - —
Oleate, refd., dms., l.c.l., works lb. .36 —
Phenylacetate, dms lb. 4.50 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms., l.c.l., frt. equald lb. .24 - .27¾
Butylamine, dms., c.l., frt. alld lb. .54¾- —
l.c.l., same basis lb. .55¾- —
tanks, same basis lb. .53 - —
Butyric ether (see Ethyl butyrate).

Black, Carbon, Furnace—Calcium Arsenate

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars lb. 5.00 5.22
Metal, ingots or sticks, cs., dlvd. lb. 2.55 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N. Y., frt. equald lb. 1.25 - —
Caffeine, natural, USP, cryst., dms., 100 lbs. or more lb. 5.25 —
anhydrous, dms lb. 5.50 - 5.75
synthetic, USP, cryst., dms., 100 lbs. or more lb. 3.80 - —
anhydrous, dms., 100 lbs. or more lb. 4.00 - —
Citrated, USP, dms., 100 lbs. or more lb 2.60 - —
Hydrobromide, bots lb. 7.72 7.97
Calamine, USP, dms lb. .34 - —
Calamus root, dom., natural, bgs. lb. 25 - .30
imported, bleached, bls lb. .70 Nom.
stripped, bls lb. .30 - .40
Calciferol cryst., vials, 250 grams or more, works gram. 1.90 —
25 to 249 grams, works gram. 2.10 - —
1 to 24 grams, works gram. 2.30 - —
in edible oil dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works unit, .04¾- —
1,000 to 10,000 standard units, works unit. .05¼- —
less than 1,000 standard units, works unit .05¾- —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 4.00
Arsenate dealers, dms., c.l., whse., works, frt. alld. on 96 lbs. or over lb. .10 - .11
l.c.l., same basis lb. .11 - .12

Sorbitol is Available

SORBITOL IS USED FOR:

Candy	Shaving Cream
Cellulose and Paper Products	Shoe Dressings
Cosmetics	Shredded Coconut
Dentifrices	Textile Finishes
Gelatin	Tobacco
Pharmaceuticals	Water Soluble Resins

GLUE SPECIALTIES:

Bookbinding Glues	Cork Binders
Greaseproof Composition	Non-warp Glues
Printers' Rollers	Vegetable Adhesives

FOR SYNTHESIS OF:

Resins	Varnishes
Surface Active Agents	Vitamin C

A plentiful, dependable supply of sorbitol and related polyols is now available from Atlas in sufficient quantity to meet present and estimated future requirements.

Derived from an almost inexhaustible supply of sugar, Atlas sorbitol is not affected by raw material shortages or wide price fluctuations. It can be obtained at a low, stable price.

Atlas sorbitol and related polyols (polyhydric alcohols) are members of the same chemical family as glycerine and the glycols. They possess unique and unusual qualities that make them superior to all other conditioners for many purposes.

Producers of tobacco products, cosmetics, pharmaceuticals, resins, cellulose films, adhesives and many other products rely on Atlas for their polyol requirements. If you'd like to investigate their use in your industry, write for information.

ATLAS

Industrial Chemicals Department

ATLAS POWDER COMPANY

WILMINGTON 99, DELAWARE • OFFICES IN PRINCIPAL CITIES

ATLAS POWDER COMPANY, CANADA, LTD., BRANTFORD, CANADA

Calcium Bromide—Damiana Leaves

Calcium bromide, NF, jars ..... lb. .90 - 1.10
Carbide, standard generator size, dms., c.l., dlvd ton.128.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.25.00 - —
liquor, same basis, 40%, tank cars ton.10.50 - —
pellets, bgs., c.l., works ton.31.25 - —
powder, bgs., c.l., works ..ton.35.65 - —
solid, 73-75%, dms., c.l., frt equald ton.23.50 - —
t.c.l., works, same basis ton.32.00 -69.00
USP gran., bbls lb. .30 - —
Chromate, bgs., frt. equald lb. .29½ - .30
Cyanide, dms., dlvd. E. of Rockies. lb. .30 - .50
Gluconate, AA, bbls., dms lb. .65 - .74
USP, bbls., dms lb. .58 - .67
Glycerophosphate, NF, fib. dms. lb 2.00 - 2.15
Hydride, dms., works lb. 2.40 - 3.00
Hypochlorite, high test, cns., cased (45 lbs.) dlvd. E. of Rockies cs.21.00 - 23.00
100 lbs., dms., same basis dm 25.25 - 29.85
Hypophosphite, dms., ton lots or less lb. .90 - .93
Iodide, jars lb 4.32 - —
Lactate, USP, dms., 10.000 lbs. or more, works lb. .40 - —
smaller lots, works lb. .41 - .48
Mandelate, USP, dms., works lb 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt equald lb. .25¾ - —
Nitrate tech., bbls., works lb. .10 - .12
fertilizer grade, bgs., c.l., Los Angeles ton 49.25 - —
Panthothenate, dextro, jars, 100 grams or more, frt. adjusted gr.m. .07½ - —
Phenolsulphonate, dms lb .70 - —
Phosphate, dibasic, USP, bgs., c.l., 100 lbs 7.00 - 7.25
t.c.l. ..... 100 lbs. 7.25 - 7.75
feed grade, bgs., c.l., works ton.92.50 - —
t.c.l., bgs., works ..n 95.00 - —
monobasic, bgs., 10.000 lbs., works, frt. equald lb. .0805 - —
smaller lots, same basis lb .0655 - —
tribasic bgs., c.l., works.100 lbs 6.75 - —
t.c.l., works ..... 100 lbs 7.20 - 7.50
Phytate, bgs works ..... lb. .28 - —
Resinate, precip., dms. frt. alld., works lb. .27½ - —
Silicate, hydrated, bgs., c.l., works lb .03 - —
t.c.l., works ..... lb .06½ - —
Stearate, ctns., c.l. ..... lb .35 - —
ton lots ..... lb .36 - —
less ton lots ..... lb .37 - —
Sulphate (see Gypsum).
Calcium-strontium sulphide, phosphorescent, steel pails, 100 lb. to 999 lb. lots, works.lb 2.60 - 3.50
fine particle size, screen bags, works lb. 2.85 - 3.75
Calendula flowers, bls lb. .50 - .65
Calomel, USP, powd., dms ..... lb. 4.02 - 4.05
Camphene, dms., extra, c.l., works 100 lbs.17.80 - 18.80
t.c.l., same basis ..... 100 lbs.18.30 - 19.65
tanks, same basis ..... 100 lbs.15.60 - 16.60
Chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 3.00 - 3.10
natural, USP, powd., 100-lb lots, bbls lb. .52 - .60
tablets, 1-oz., ½-oz., cs lb. .69 - .73
synthetic, tech., bbls., 10 bbls., 1,500-lb. lots lb. .55½ - —
smaller lots ..... lb. .56 - .66
USP, gran., powd., bbls., 2,000-lb lots lb. .60 - —
1,000-lb. lots ..... lb. .61 - —
smaller lots ..... lb .62 - —
tablets, tins, 2,000-lb. lots lb .93 - —
1,000-lb. lots ..... lb .94 - —
smaller lots ..... lb .95 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls ..... lb. .25 - .33
Cantharides, Chinese, cs ..... lb 1.05 - 1.20
powd. bxs ..... lb 1.15 - 1.40
Russian, bgs ..... lb 2.80 - 3.25
powd. bxs ..... lb 2.90 - 3.50
Capsicum (see Pepper, red).
Oleoresin, NF from domestic pepper lb. 4.25 - 5.50
from African pepper lb. 5.00 - 6.75
Caramel coloring, NF, bbls ... gal. 1.05 - 1.20
Caraway seed, Dutch, bgs ..... lb. .11¾ - .12
Carbazole, 97% steel dms., ton lots, works lb 1.55 - —
bbls., same basis ..... lb. 1.65 - 1.85
Carbinol, methylisobutyl, dms., c.l., frt. alld lb. .15¼ - —
t.c.l., same basis ..... lb. .16 - —
tanks, same basis ..... lb. .13½ - —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld to competitive points lb .06½ - —
t.c.l. same basis ..... lb. .07½ - —
5-gal. dms., c.l., same basis, lb .08¾ - —
t.c.l., same basis ..... lb .09¾ - —
tankcars, same basis ..... lb .0480 - —
Dioxide, cyls lb .06 - .08
Tetrachloride, CP, dms., works lb. .111 - .121
NF, cbys ..... lb. .17 - .19
tech., dms., c.l., E of Rockies, frt. alld lb. .0860 - —
W. of Rockies, f.o.b. stock points lb. .0910 - —
t.c.l., E of Rockies, frt. alld lb. .1030 - —
W. of Rockies, frt. alld lb. .1089 - —
tanks, E. of Rockies, frt. alld. lb .0785 - —
W. of Rockies, frt alld lb .0835 - —
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb. 4.10 - 4.75
Cardamom fruit, bleached, A, cs lb. 4.10 - 4.15
medium, cs ..... lb. 3.70 - 3.85
decorticated, Alleppey, cs ... lb. 3.40 - 3.45
Guatemalan, cs ..... lb. 3.30 - 3.35
Mangalore type, cs ..... lb. 3.00 - 3.05
Indian, cs ..... lb. 3.40 - 3.45
green, Alleppey, bgs ..... lb. 2.35 - 2.40
Ceylon, bgs ..... lb. 2.35 - 2.40
seed (see Cardamom fruit, decorticated).
Carmine No. 40, NF, bulk, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd lb. 5.65 - 6.15
Carotene, crystals, research grade, pure alpha or beta ampuls. 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram quantities, ampuls, gm. 5.00 - —
technical, 1,350,000 A units per ampuls gram gm. .67½ - —
tins, works gm. .50 - —
dry powder, 3,330 A units per gram., tins lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. can, per can 1.00 - —
Carotene crystals, tech., in vegetable oil, 166,666 A units per gram lb.25.24 - —
50,000 A units per gram, cns lb. 7.86 - —
3,330 A units per gram cns lb. .85 - —
feed grade 5,000,000 to 8,000,000 A units, per lb., dms., works mill units. .18 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works mill, units. .30 - —
Carvol, bots ..... lb 8.75 - 10.50
Cascara sagrada bark, bulk ..... lb. .37 - .38
Casein dom., acid-precip standard, bgs., 10,000 lbs. or more, ship't point lb. .30 - .33
premium bgs., 10,000 lbs. or more, ship't point lb. .37 - .38½
imp., acid-precip ground 100 bgs., or more, ex dock lb. .23¼ - .27
rennet-precip bgs., 10,000 lbs. or more, ex dock lb. .27½ - .27¾
Cashewnut shell liquid, treated, dms., c.l. f.o.b. Newark, N. J lb. .21 - —
ton lots, same basis lb .22¼ - —
dm lots, same basis lb .24¼ - —
Cassia, Batavia, cuttings, bls .... lb. .13½ - .14
longstick ..... lb. .18 - .18½
shortstick, bls. ..... lb. .14½ - .15
China, Canton, Kwangsi rolls, select, cs lb. .19 - .19½
broken, bls ..... lb. .17 - .17½
Honan, Yunnan, scraped, bls lb. .27 - .27½
broken, bls ..... lb. No stocks.
unscraped, bls ..... lb. .25½ - .26
broken, bls. ..... lb. No stocks.
Saigon, broken, bls ..... lb. .26 - .27
medium, bls ..... lb. .30 - .31
thin, bls ..... lb. .52 - .53
Cassia buds, bgs ..... lb. .30 - .31
Fistula, bskts ..... lb. .25 - .30
Castor beans, bgs., f.o.b. Brazilian ports long ton.250.00 - —
Oil (see Oil, castor)
Pomace, bgs., c.l., works ..ton.37.25 - —
Castoreum artificial, cns ..... lb 9.00 - 9.25
natural, cns ..... lb 7.00 - 30.00
Catechol, CP, cryst. fib dms., works lb 2.17½ - —
resublimed dms., works ..... lb 4.29½ - —
Catnip leaves, southern, bls ..... lb. .65 - .70
Celery seed, French, bgs ..... lb. .34½ - .35
Indian, bgs ..... lb. .29½ - .30
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate flake, ctns., works, frt. alld. on 100 lbs. or more lb. .40 - .50
molding, composition, plain colors, transiucent, metallic pearls, special black, dms., c.l., frt. alld lb. .50 - —
t.c.l., same basis ..... lb. .53 - —
regular, black, dms., t.c.l., same basis lb. .43 - —
molding and extrusion transparents, dms., c.l., same basis lb. .55 - —
t.c.l., same basis lb. .58 - —
extrusion compounds, translucent, metallic pearls, special black, dms., c.l., same basis lb. .55 - —
t.c.l., same basis lb. .58 - —
Acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .62 - —
less than 500 lbs., works lb. .63 - —
17.5% butyryl content, ctns., 500 lbs. or over, works.lb. .56 - —
less than 500 lbs., works lb. .57 - —
26.5% butyryl content, 500 lbs. and over, works lb. .62 - —
less than 500 lbs., works lb. .63 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .58 - —
less than 500 lbs., works lb. .59 - —
48% butyryl content, ctns., 500-lbs. and over, works. lb. .70 - —
less than 500-lbs., works lb. .71 - —
molding composition, plain colors, pearls, transparents, special black, dms., t.c.l., regular black, dms., t.c.l. same basis lb. .53 - —
Triacetate, flake, ctns., works, frt. alld. on 100-lbs. or more. lb. .52 - —
Cerium hydrate, dms., works lb. 1.44 - 1.60
Oxalate, NF, bbls., bgs., works.lb. No prices.
Oxide, optical grade, bgs., 50-lbs. or more, works lb. 1.75 - 1.95
smaller lots, works lb. 1.80 - 2.25
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .0295 - .035
t.c.l., ex whse lb. .0395 - .05
paint, bgs., c.l., works ..ton.40.00 - —
papermakers, bgs., c.l., works.ton.32.50 -40.00
rubber makers, bgs., c.l., works. ton.55.00 -60.00
Chamomile flowers, Hungarian and Hungarian style, cs lb. .60 - .70
Roman, cs ..... lb. .75 - .80
Charcoal, activated, NF, fib. dms., c.l., works lb .25 - .32
5-ton lots, works ..... lb. .26½ - .32½
smaller lots, works ..... lb. .27 - .50
Bone (see Black, bone).
Hardwood, briquets, bgs., c.l., works ton.70.00 -80.00
t.c.l., works ..... ton.75.00 -85.00
bulk, c.l., works ..... ton.64.00 - —
granular, bgs., c.l., works ton.65.00 - —
t.c.l., works ..... ton.65.00 - —
lump bulk, c.l., works ..ton.46.00 - —
Pinewood, gran., powd., bgs., c.l., works, South ton.43.50 - —
t.c.l., works ..... ton.43.50 -53.50
lump bgs., c.l., works, South.ton.40.00 - —
t.c.l., works, South ..ton.50.00 -60.00
bulk, c.l., works, South ton.33.50 - —
Chestnut extract, 25% tannin, bbls., c.l., works lb. .0510 - —
t.c.l., works ..... lb. .0543 - —
tanks, works ..... lb. .0425 - .0440
powd., 60% tannin, bgs., extra, c.l., works lb. .1092 - —
t.c.l., works ..... lb. .1165 - —
Chloral, tech., 94% min., dms., c.l., works lb. .23 - —
t.c.l., works ..... lb. .24 - —
tanks, works ..... lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots lb. 1.30 - —
500-lb. lots ..... lb. 1.33 - —
100-lbs. or less ..... lb. 1.35 - 1.40
Chloramine T, NF, bbls., works lb. .75 - 1.00
Chlordane, agricultural, dms., pails, c.l., works lb. .65 - —
t.c.l., works ..... lb. .70 - .75—
refined, dms., c.l., works ..... lb. .75 - —
t.c.l., works ..... lb. .80 - .85
Chlorinated paraffin, 42%, dms., frt. alld., c.l., lb. .14 - .14¼
t.c.l., ... lb .15 - —
tanks ..... lb .13 - —
70%, dms., c.l., same basis lb .18 - —
t.c.l., same basis lb. .19 - —
Rubber, 5, 10, 20 cps., ctns., works, c.l., lb. .58 - —
same basis, t.c.l. ..... lb. .59 - .60
125, 1,000 cps., ctns., same basis, c.l. lb. .60 - —
t.c.l. ..... lb. .61 - .62
Chlorine, liquid, cyls., c.l., N.Y. lb. .08¾ - —
t.c.l., N.Y., stock points lb. .10¼ - —
tanks, single units, works, frt. equald 100 lbs. 2.70 - —
W. of Rockies ..... 100 lbs. 2.82½ - —
multiple units, 3 cars, works, frt. equald 100 lbs 3.10 - —
2 cars, same basis 100 lbs 3.80 - —
1 car, same basis ..... 100 lbs. 4.40 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .18 - .182
t.c.l., same basis ..... lb. .192 - .20
tanks, same basis ..... lb. .17 - .171
USP, dms ..... lb .30 - .35
Chloro(4)-2-Toluidine, bbls ..... lb 1.38 - —
Chlorophyll, oil soluble, 4%, not fixed, tins, pails, works lb. 3.75 - 4.50
copper fixed, 6%, tins, pails, works lb. 6.00 - 6.50
Sodium-copper, aqueous solut., 4%, 55 gal. dms., works lb. 3.25 - —
8%, 55 gal. dms., works. lb. 6.00 - —
15% 55 gal., dms., works. lb.12.00 - —
concentrated, 50%, dms., works, 100% basis lb.80.00 -90.00
75%, dms., works, 100% basis lb.80.00 -90.00
90%, dms., works, 100% basis lb.80.00 -90.00
Chloropicrin, com'l, bots ..... lb 1.50 - —
cyls., 180 lbs., frt. alld ..... lb. .95 - —
100 lbs., same basis ..... lb .97 - —
25 lbs., same basis ..... lb 1.22 - —
Cholesterol, USP, fib. dms 100-lb lots lb 8.80 - 9.50
5-lb pkg. ..... lb 9.00 - 10.50
1-lb. pkg. ..... lb. 9.50 - 10.50
Choline bitartrate, fib. dms., frt. adjusted lb. 1.70 - 1.95
Chloride, fib dms., same basis lb 1.70 - 1.95
Dihydrogen citrate, fib dms., same basis lb. 1.70 - 1.95
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks.
solut., 7½% bbls., works ... lb. .08½ - —
cbys. ..... lb. .10¼ - —
8½%, bbls., works ..... lb. .09 - —
cbys. ..... lb. .10¾ - —
Fluoride, bbls., works ..... lb. .44½ - —
Green (see Green, chromium).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls ..... lb. .49 - —
Trioxide, NF, bots ..... lb. .82 - .89
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots ..... lb. 6.50 - 8.00
Cinchona bark, NF, red, broken, bgs lb. .28 - .30
yellow, broken, bgs ..... lb. .28 - .30
Cinchonidine, cryst., cns., 100 ozs. oz. .71 - .72
Sulphate cns., 100 ozs ..... oz. .37 - .40½
Cinchonine cryst., cns., 100 ozs oz. .57 - —
Sulphate, NF, cns., 100 ozs oz. .30 - —
Cinchophen, NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol cinnamic)
Aldehyde, NF, cns., dms ..... lb 1.05 - 1.30
Cinnamon, Ceylon, No. 2, bls .. lb. .27 - .27½
Citral, bots., cns ..... lb. 5.75 - 7.50
Citronellal, bots. dms ..... lb. 2.35 - 3.05
Citronellol, bots., dms ..... lb. 2.60 - 3.00
Civet, artificial, bots ..... lb.13.75 - 15.00
natural, bots ..... oz. 3.50 - 7.00
Clay, ball, dom., crushed, bulk, Tennessee ton.10.00 -12.00
airfloated, bgs., c.l., Tennessee. ton 19.50 - —
purified, bgs., c.l., Tennessee. ton.20.50 - —
imported, lump, bulk, Atlantic port long ton.27.00 -30.00
airfloated, bgs., c.l., Atlantic port long ton.44.00 -46.00
pulverized, bgs., l.c.l., all ports ton.55.00 - —
97%, 200 mesh, bgs., c.l., Georgia ton.11.00 - —
China, dom., ry-grd., air-float, 99%, 300 mesh bgs., c.l., works ton.11.50 -14.50
t.c.l., works ..... ton.35.30 - —
bulk, c.l., works ton 8.50 -11.50
99%, 200 mesh, bgs., c.l., works ton.13.50 -17.00
imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me gross ton.20.00 -40.00
powd., bgs., c.l., ex dock, net ton.45.00 - —
t.c.l. ex whse net ton.56.00 -60.00
Clove, Madagascar, bls., afloat lb. .92 - .93
Zanzibar, bls., afloat ..... lb. .89 - .90
Clover tops, red, bgs ..... lb. .70 - .75
CMC, purified, high vis., (see Gum, cellulose), standard low vis., bgs., 23,000 lbs. or over, works, frt alld.lb. .60 - —
smaller lots, same basis lb. .62 - —
medium vis., bgs., 23,000 lbs. or over, works frt. alld lb. .57 - —
smaller lots, same basis lb. .59 - —
technical, high vis., 58% purity, bgs., 20,000 lbs or more, dlvd. E., 100% basis lb. .56 - —
2,000 to 20,000 lbs., dlvd. E. lb. .58 - —
less than 2,000 lbs., dlvd. E lb. .62 - —
low vis., 62% purity, bgs. or fib. dms., c.l., dlvd. E., 100% basis lb. .46 - .47
t.c.l., dlvd. E ..... lb. .48 - .49
58% purity, bgs., c.l., dlvd. E., net weight basis lb. .34 - —
t.c.l., dlvd. E ..... lb. .36 - —
47½% purity, bgs., c.l., dlvd., E., 100% basis lb. .46 - —
t.c.l., dlvd. E ..... lb. .48 - —
36½% purity, bgs., c.l., dlvd. E., net weight basis lb. .18½ - —
t.c.l., dlvd. E ..... lb. .20 - —

Technical grades of CMC West of the Rocky Mountains are quoted f.o.b. works at 1c. per pound below the above delivered prices.

Coaltar, coal gas, water gas, crude, resale dms., c.l., ex-whse. gal. .24 - .27½
t.c.l., ex-whse ..... gal. .26 - .28½
tanks, ex-whse ..... gal. .14 - .15
refd., resale, dms., c.l., ex-whse gal. .25 - .28½
t.c.l., ex-whse ..... gal. .27 - .29½
tanks, ex-whse ..... gal. .15 - .16
Cobalt acetate, 23.7% bbls., dlvd lb. 1.14¾ - —
Carbonate 48%, powd., bgs., works lb. 1.92¼ - —
Chloride, 24.2% Co., kgs., works, lb. 1.10½ - —
Hydrate, 60-61% Co., bbls lb. 2.52 - —
Linoleate fused, 8½% Co., dms.lb. .64½ - —
liquid, 6% Co., dms ..... lb. .53¼ - —
Metal, 97.99%, kgs., ex-whse lb. 2.40 - —
Naphthenate, liq., 6% Co., dms., lb. .42¾ - —
Nitrate, 20.1% Co., bbls lb. .99¼ - —
Oxide, 70-71% Co., black, kgs lb. 1.76 - —
Phosphate, powdered, 32.1% Co., kgs. dlvd lb. 1.57¾ - —
Resinate, fused, 3% Co., dms lb. .27 - —
Sulphate, monohydrate, 21% Co, bbls lb. 1.28½ - —
Cocaine, USP, cns., 100-oz oz.15.00 - —
Hydrochloride, cns. 100-oz. lots oz.11.75 - —
Cochineal, gray, bgs ..... lb. .67 - .72
Cocillana bark, bgs ..... lb. .15 - .17
Cocoa butter, bgs. ..... lb. .75 - —
Codeine, NF, cns., 100 ozs ..... oz.13.25 - —
Hydrochloride, cns., 100 ozs ... oz.11.75 - —
Phosphate, USP, cns., 100 ozs .. oz.10.25 - —
Sulphate, USP, cns., 100 ozs .. oz.10.75 - —
Codliver oil (see Oil, codliver).
Cohosh black root, bls ..... lb. .22 - .25
Blue, root, bls ..... lb. .17 - .18
Colchicine, USP, bots., cns ..... oz.74.50 -77.50
Colchicum root, bls ..... lb. .42 - .52
Seed, bgs ..... lb. .80 - 1.10
Collodion, USP, dms ..... lb. .32½ - —
Flexible, USP, dms ..... lb. .34 - —
Colocynth, pulp, bls ..... lb. .30 - .35
Colombo, root, bls ..... lb. .11 - .14
Coltsfoot leaves, bgs ..... lb. .25 - .30
Condurango bark, bgs ..... lb. .17 - .18
Copaiba balsam, cns., dms ..... lb. 1.65 - 1.70
Copper acetate, bbls., c.l., works lb. .34¾ - —
t.c.l., works ..... lb. .35¾ - —
Carbonate, 55%, bgs., works .. lb. .22 - .23½
Chloride, anhyd., bbls., works lb. .24½ - —
crystals, bbls., works ..... lb .22¾ - —
Citrate, USP 5-lb. bots ..... lb. 2.40 - —
Cyanide, tech., bbls ..... lb. .613 - .633
Gluconate, cns., dms ..... lb 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss. lb. .36 - .36½
Metal, electrolytic ..... lb. .24½ - .27½
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .24¾ - —
Nitrate, tech., cryst., bbls., works. lb. .25¼ - —
Oleate, solid, 9% Cu, dms., works, lb. .45 - —
Oxide, black, bbls., works ..... lb. .39 - .42
red, com'l, bbls., c.l., works lb. .41 - .47
t.c.l. ..... lb. .43 - .49
Oxychloride-sulphate, bgs., frt. alld lb. .24¼ Nom.
Quinolinalate, fib. dms. ..... lb. 4.25 - 4.50
Resinate, precip., dms., frt. alld lb. .27½ - —
Stearate, ton lots, works ..... lb. .38½ - .39½
less ton lots, works ..... lb. .40½ - —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 8.95 - 9.95
t.c.l. ..... 100 lbs. 9.20 - 10.95
CP, cryst., gran., bbls., works.lb. .1615 - —
monohydrated, 35%, dms., c.l., works 100 lbs.14.95 -15.50
tribasic, dealers, bgs., c.l., works, frt. alld 100 lbs.25.60 - —
t.c.l., works ..... 100 lbs.27.10 - —
USP, gran., cryst., dms ..... lb .1615 - .2500
Undecylenate, dms. ..... lb. 2.90 - 3.00
Copperas, gran., bgs., c.l., works ton.28.50 - —
t.c.l., dlvd. Metro area .100 lbs. 3.00 - —
bbls., c.l., works ..... ton.34.00 - —
bulk c.l., works ..... ton.21.00 - —
Copra, c.i.f. Atlantic, Gulf ports ton.130.00 Nom.
Pacific ports ..... ton.125.00 Nom.
Coriander seed, Argentine, bgs lb. .13 - .13¼
Czech, bgs ..... lb. .09½ - .10
Moroccan, bgs ..... lb. .09 - .09½
Corn sugar, tanners, chipped, paper bgs., c.l., 60.000 lbs. min. 100 lbs. 7.29 - —
Syrup, 42°, dms., c.l. ..... 100 lbs. 7.31 - —
t.c.l. ..... 100lbs. 7.46 - —
Cornsilk, ols. ..... lb. .12 - .14
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 3.68 - —
gran. powd., dms., 50 lbs. or more lb. 3.53 - —
Cottonroot, bark, bls ..... lb. .26 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, sacked, Memphis ton.85.00 - —
Coumarin cryst., NF, cns ..... lb 2.94 - 3.15
powd., cans ..... lb 3.20 - 3.25
Cramp bark, NF, bls ..... lb .80 - .90
Cranesbill root, bls ..... lb. .55 - .60
Cream of tartar, N.F., dom., gran. or powd., bbls., 5,000 lbs. one shipment lb. .40½ - —
smaller lots, bbls., kgs lb. .41 - .42
imported, kgs ..... lb. .31 - .32
Creosote, carbonate, NF, bots., cbys. lb. 2.80 - 2.90
Coaltar, crude, tanks, works, frt. adjusted gal. .20 - —
refined, dms., c.l., works gal. .35 - —
t.c.l., same basis ..... gal. .41 - —
tanks, same basis ..... gal. .27 - —
solution, 80%, tanks, works gal. .188 - —
Wood, beechwood, cbys., dms lb. 1.35 - 1.40
Hardwood, bots., cbys ..... lb. 1.05 - 1.10
Pinewood, dms ..... gal. .31 - .32
Cresol tech., dry, above 207° C, non-ret. dms., c.l., frt. equald. lb. .158 - —
t.c.l. same basis ..... lb. .161 - —
ret. dms., c.l., same basis. lb. .155 - —
t.c.l., same basis ..... lb. .16 - —
tanks, same basis ..... lb. .145 - —
USP, non-ret. dms., c.l., same basis lb. .168 - —
t.c.l., same basis ..... lb. .171 - —
ret. dms. c.l., same basis ... lb. .16½ - —
t.c.l., same basis ..... lb. .17 - —
tanks, same basis ..... lb. .155 - —
Crotonaldehyde, 91-93%, t.c.l., works lb. .20 - .25
Cryolite, nat., insecticide dealers, bgs., c.l., dlvd ..... 100 lbs.15.25 - —
t.c.l., dlvd ..... 100 lbs.16.25 - —
Cube root, powd., 5%, rotenone, bgs., works lb. .25 - .26
Cubeb berries, XX NF, bgs ... lb. .45 - .52
powd., cs ..... lb. .55 - .60
Culvers root, bbls ..... lb. .65 - .75
Cumene, dms., c.l., works ..... lb. .12 - —
t.c.l., works ..... lb. .14 - —
tanks, works ..... lb. .11 - —
Cumin seed, Indian, bgs ..... lb. .18 - .18½
Iranian, bgs ..... lb. .18 - .18½
Moroccan, bgs ..... lb. .19 - .19½
Cutch extract, 55% tannin bgs., ex dock, duty extra lb. .08 - —
Cyanamide fertilizer mixing grades, 20.6% N, gran., bgs., Niagara Falls, Ont., contract ton.72.00 - —
Cyclohexane, tech., dms., c.l., works. lb. .11 - —
t.c.l. works ..... lb. .11¾ - —
tanks, works ..... lb. .09¼ - —
Cyclohexanol, tech., dms., c.l., works lb. .37¾ - —
t.c.l., works ..... lb. .38¼ - —
tanks works ..... lb. .36¼ - —
Cyclohexanone, tech., dms., c.l., lb. .26½ - .30
t.c.l., works ..... lb. .27 - .31
tanks, works ..... lb. .25 - .29
Cyclohexylamine, dms., c.l., works. lb. .41½ - —
t.c.l., works ..... lb. .42½ - —
tanks, works ..... lb. .40 - —
Cyclopropane, CP, 2 lb. cyls., works, cyl.48.00 - —
6 oz. cyls., works ..... cyl.12.00 - —
USP, hospitals, cyls., 40 gal. lots. gal. .38 - —
100-gal. lots ..... gal. .37 - —
200-gal. lots ..... gal. .36 - —

D

2 4-D bbls., c.l. works frt. equald. lb. .61 - —
t.c.l., same basis ..... lb. .67 - —
2,4-D isopropyl ester, dms., c.l., works lb. .67 - —
t.c.l., works ..... lb. .72 - .74
Damiana leaves, bls. ..... lb. .28 - .30

LEAVE IT TO THE EXPERTS!

We live in an age of experts. Radio and television boast programs with panels of experts on many subjects. And not infrequently, these experts, individually and collectively, find themselves stumped. Nobody is infallible.

Still, two heads are better than one! And a collection of experienced heads is better yet!

Here, at Strong Cobb, we're pretty proud of our own group of experts. For example, 5 of our chemists hold degree of Ph.D., 8 are M.S.'s, 62 others are especially expert in organic chemistry, biochemistry, pharmacology and allied scientific fields. Together they have a total of 900 years of experience in pharmaceutical manufacturing. The chances are, when you fire a question at *this* panel, you get the right answer

That goes double for our Sales Department with some of the finest technical consultants in the business. To begin with, they speak your language, which simplifies matters a lot.

Whatever your private formula problem, get the benefit of *truly expert advice* . . . that results from 119 years' experience in manufacturing finer pharmaceuticals . . . the kind that has made Strong Cobb an institution.

PRESIDENT

Originators and Developers of the AMPIN® for Automatic, Subcutaneous and Intramuscular Injection

STRONG-COBB

PHARMACEUTICALS SINCE 1833

Strong Cobb & Co. Inc.

2654 LISBON ROAD, CLEVELAND 4, OHIO

IN CANADA: STRONG COBB OF CANADA, LTD., 388 ST. PAUL STREET, W., MONTREAL

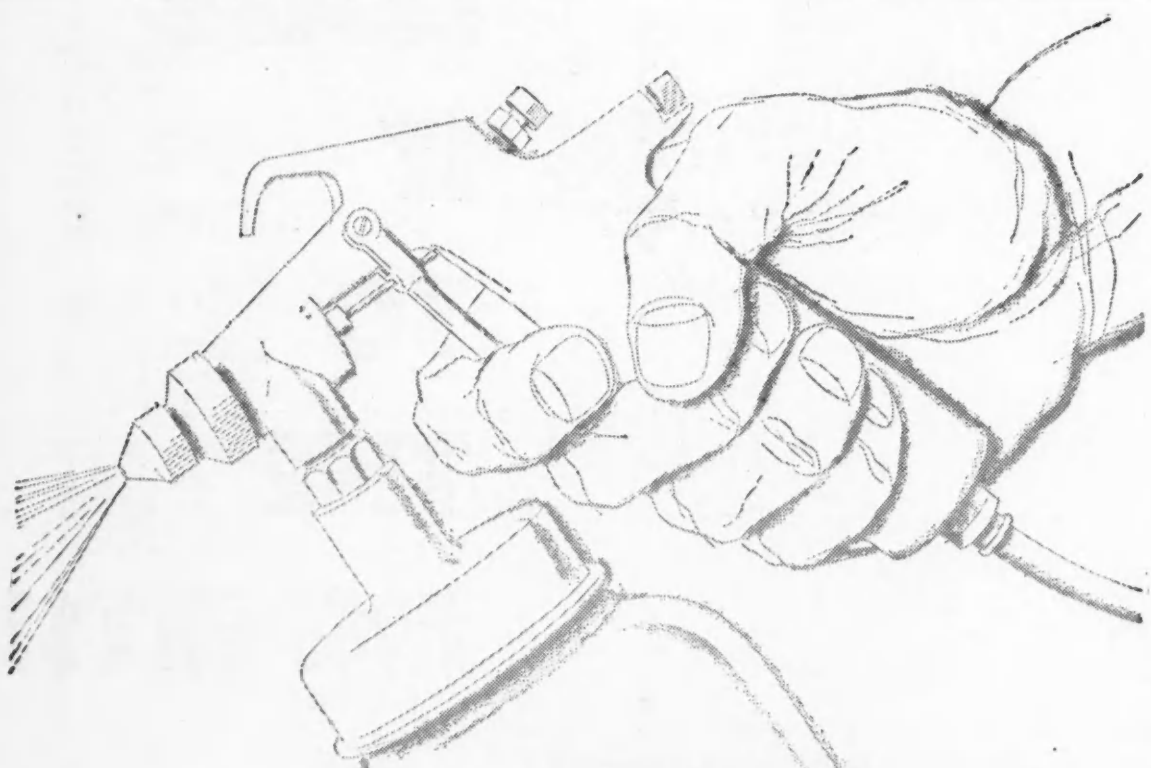
Dandelion Root—Divi-Divi

Dandelion root, bls ..... lb. .45 - .50
DDD, tech., fine grd. fib. dms., c.l., works lb. .60 - —
l.c.l., works ..... lb. .61 - —
DDT, fiber dms., c.l., works, frt. equald ..... lb. .48 - .50
smaller lots, same basis ..... lb. .50 - .53
Decanol, normal, tech., dms., c.l., dlvd lb. .419 - —
l.c.l., dlvd ..... lb. .439 - —
tanks, dlvd ..... lb. .394 - —
Deertongue leaves, bls ..... lb. .37 - .40
Defluorinated phosphate, 13% P, paper bgs., works ton 49.25 - —
18½% P, paper bgs., works ton 62.75 -63.75
Rock, 14½% P, paper bgs., works ton 50.00 - —
Degras, common, bbls ..... lb. .13½- .14
Neutral, less 2% ffa, bbls ..... lb. .21 - .30
over 2% ffa., bbls ..... lb. .20 - .29
Derris root, 5% rotenone powd., bbls lb. .32 - .35
Desoxyephedrine hydrochloride, dextro, bots lb. 30.00 -34.00
dextro-laevo, bots ..... lb. 7.50 - —
Dextrin, corn, gum, paper bgs., c.l., N. Y. 100 lbs. 8.96 - —
l.c.l. ..... 100 lbs. 9.11 - —
canary, paper bgs., c.l ..... 100 lbs. 8.70 - —
l.c.l. ..... 100 lbs. 8.85 - —
dark, paper bgs., c.l ..... 100 lbs. 8.80 - —
l.c.l. ..... 100 lbs. 8.95 - —
white, paper bgs., c.l ..... 100 lbs. 8.54 - —
l.c.l. ..... 100 lbs. 8.69 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs higher.
Potato, bgs ..... lb. .09 - 09¼
Dextrose, USP, dms ..... lb. .17¾- —

Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots ..... lb. 4.50 - 4.60
laboratory, grade, bots. 100 grams 4.50 - —
tech., bots., works ..... lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E ..... lb. No prices.
l.c.l., dlvd. E ..... lb. No prices.
tanks, dlvd. E ..... lb. No prices.
Dianisidin, dms ..... lb. 1.90 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton 50.00 -52.00
California ton 38.00 -40.00
l.c.l., ex whse ton 80.00 - —
purified, bgs., c.l., Atl ton 62.00 - —
California ton 50.00 - —
l.c.l., ex whse ton 90.00 - —
Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms., c.l., works, lb. .92¾- —
l.c.l., works ..... lb. .93¾- —
tanks, works ..... lb. .91 - —
Dibutyl phthalate, dms., c.l., dlvd., E lb. .40¾- —
l.c.l., same basis ..... lb. .41¾- —
tanks, same basis ..... lb. .39 - —
Sebacate, CP, dms., c.l., works, lb. .92 - —
l.c.l., works ..... lb. .93 - —
tanks, works ..... lb. .90¼- —
tech., dms., c.l., works ..... lb. .90 - —
l.c.l., works ..... lb. .91 - —
tanks, works ..... lb. .88¼- —
Tartarate, dms., works, frt. alld. lb. .79 - —
Dibutylamine, dms., c.l., frt. alld. lb. .54¾- —
l.c.l., frt. alld ..... lb. .55¾- —
tanks, frt. alld ..... lb. .53 - —
Dicapryl phthalate, dms., c.l., dlvd. lb. .41½- —
l.c.l., dlvd ..... lb. .42½- —
tanks, dlvd ..... lb. .39¾- —

Dicapryl sebacate, dms., c.l., works. lb. .78½- —
l.c.l., works ..... lb. .79½- —
tanks, works ..... lb. .76¾- —
Dichloroaniiin, dms., works ..... lb. .75 - .83
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichloropentanes, dms., c.l., works. lb. .06 - —
l.c.l., works ..... lb. .07 - —
tanks, works ..... lb. .04 - —
Dicyclohexylamine, dms., c.l., works. lb. .46 - —
l.c.l., works ..... lb. .46¾- —
tanks, works ..... lb. .44½- —
Dicyclohexylphthalate, fib dms., c.l., works lb. .60 - —
l.c.l., same basis ..... lb. .61 - —
Dieldrin, dms., frt. alld ..... lb. 2.60 - —
l.c.l., frt. alld ..... lb. 3.04 - —
Diethanolamine, dms., c.l., frt. alld., E lb. .29¼- —
l.c.l., same basis ..... lb. .30¼- —
tanks, same basis ..... lb. .27½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .46¾- —
l.c.l., same basis ..... lb. .47¾- —
tanks, same basis ..... lb. .45 - —
Maleate, dms., c.l., dlvd ..... lb. .50 - —
l.c.l., dlvd ..... lb. .48¼- —
tanks, dlvd ..... lb. .49½- —
Oxalate, dms., c.l., frt. alld ..... lb. .41¾- —
l.c.l., same basis ..... lb. .42¾- —
tanks, same basis ..... lb. .40 - —
Phthalate, dms., c.l., dlvd ..... lb. .32¾- —
l.c.l., dlvd ..... lb. .33¾- —
tanks, dlvd ..... lb. .31 - —
Sulphate, dms., c.l., works ..... lb. .18¾- —
l.c.l., works ..... lb. .19¼- —
tanks, works ..... lb. .17 - —
Dichlorodiphenyldichloroethane (see DDD)

Diethylamine, dms., c.l., frt. alld. E lb. .62¼- —
l.c.l., same basis ..... lb. .63¼- —
tanks, same basis ..... lb. .60½- —
Diethylanilin, dms ..... lb. .48 - —
Diethyleneglycol, dms. c.l., frt. alld. E ..... lb. .20¼- —
l.c.l., same basis ..... lb. .21¼- —
tanks, same basis ..... lb. .18½- —
Boriborate, dms., l.c.l ..... lb. .30½- —
Diethylether, dms., c.l., works. lb. .46½- —
l.c.l., works ..... lb. .47 - —
Monobutylether, dms., c.l., works. lb. .28¾- —
l.c.l., works ..... lb. .29¼- —
tanks, works ..... lb. .27 - —
Monobutylether acetate, dms., c.l., works. lb. .30 - —
l.c.l., works ..... lb. .30½- —
Monoethylether, dms., c.l., works lb. .20¼- —
l.c.l., works ..... lb. .20¾- —
tanks, works ..... lb. .19 - —
Monoethylether acetate, dms., c.l., works lb. .26¾- —
l.c.l., works ..... lb. .27¼- —
Monomethylether, dms., c.l., works. lb. .24¾- —
l.c.l., works ..... lb. .25¼- —
tanks, works ..... lb. .23½- —
Diethylenetriamine, dms., c.l., dlvd. E lb. .43 - —
l.c.l., same basis ..... lb. .44 - —
tanks, same basis ..... lb. .41½- —
Diethylethanolamine, dms., c.l., works, frt. alld. lb. .67½- —
l.c.l., same basis ..... lb. .68½- —
tanks, same basis ..... lb. .65¾- —
Diethylstilbestrol, USP, bots., 100 kilo lots kilo. 135.00 -160.00
10 kilo lots ..... kilo. 140.00 -185.00
1 kilo lot ..... kilo. 150.00 -185.00
Digitalis, leaves, bls ..... lb. 1.10 - 1.20
Digitoxin, USP, bots ..... gram. 7.75 - 8.50
Diglycol, laurate, dms ..... lb. .32½- .37
Oleate, dms ..... lb. .32 - —
Stearate, dms ..... lb. .25 - .27
Dihexyl sebacate, dms., c.l., works. lb. .76½- —
l.c.l., works ..... lb. .77½- —
tanks, works ..... lb. .74¾- —
Dihydrostreptomycin hydrochloride and sulphate, bulk, 50 kilos or more ..... gram. .324 - —
unlabeled 1-gram vials, 1 to 500,000 vials ..... vial. .384 - —
5-gram vials, 1 to 500,000 vials ..... vial. 1.766 - —
Dihydroxydichlorodiphenylmethane, pure, dms ..... lb. 2.80 - 3.00
tech., dms ..... lb. 1.15 - 1.25
Di-isobutyl ketone, dms., c.l., dlvd. lb. .17¾- —
l.c.l., dlvd ..... lb. .18¾- —
tanks, dlvd ..... lb. .16 - —
Di-isobutylene, dms., c.l., works lb. .09¼- —
l.c.l., works ..... lb. .10 - —
tanks, works ..... lb. .07½- —
Di-iso-octyl phthalate, dms., c.l., dlvd ..... lb. .42½- .42¾
l.c.l., same basis ..... lb. .43½- .44¾
tanks, same basis ..... lb. .40¾- .42½
Di-isopropylamine, dms., c.l., works, frt. alld., E. of Miss ..... lb. .49¾- —
l.c.l., same basis ..... lb. .50¾- —
tanks, same basis ..... lb. .48 - —
Dillseed, dewhiskered, bgs ..... lb. .12 - .13¼
Dimethyl anthranilate, cns ..... lb. 5.50 - 5.90
Chloroacetal, dms., c.l., works. lb. .53 - —
l.c.l., works ..... lb. .55 - —
tanks, works ..... lb. .51 - —
Hydroquinone, dms ..... lb. 2.25 - 2.75
Phthalate, dms., c.l., dlvd ..... lb. .29¼- .29¾
l.c.l., dlvd ..... lb. .30¼- .30¾
tanks, dlvd ..... lb. .27½- .28
Sebacate, dms., c.l., works ..... lb. 1.31¾- —
l.c.l., works ..... lb. 1.32¾- —
tanks, works ..... lb. 1.30 - —
Sulphate, 55-gal. ret. dms., c.l., works lb. .15 - —
l.c.l., works ..... lb. .16 - —
10-gal. ret dms., works ..... lb. .16½- —
Dimethylamine, 25-40%, dms., c.l., works, basis 100% lb. .37 - .38
l.c.l., works, basis 100% ..... lb. .37½- .38¼
tanks, works, basis, 100% ..... lb. .32 - —
Dimethylanilin, dms., c.l., frt. alld. lb. .26 - —
l.c.l., frt. alld ..... lb. .27 - —
tanks, frt. alld ..... lb. .25 - —
Dimethylethanolamine, dms., c.l., dlvd. lb. 1.43 - —
l.c.l., dlvd ..... lb. 1.45 - —
tanks, dlvd ..... lb. 1.40 - —
Dinitroanilin, dms., frt. equald ..... lb. .57 - —
Dinitrobenzene, crude, dms ..... lb. .20 - —
purified, dms ..... lb. .22 - —
Dinitrochlorobenzene, dms., c.l., frt. alld. E lb. .15¼- .18
l.c.l., frt. alld. E ..... lb. .15¾- .19
tanks, frt alld. E ..... lb. .15 - .17
Dinitrophenol, bbls ..... lb. .34 - —
Dinitrotoluene, oily, dms ..... lb. .10 - —
refd., dms ..... lb. .21 - —
Dioctyl adipate, dms., c.l., works. lb. .47½- .47¾
l.c.l., works ..... lb. .48½- .48¾
tanks, works ..... lb. .45¾- —
Phthalate, dms., c.l., frt, alld. lb. .42½- .44¼
l.c.l., frt, alld ..... lb. .43½- .45¼
tanks, frt. alld ..... lb. .40¾- .42½
Diorthotolylguanidin, dms., ton lots, dlvd lb. .52 - —
smaller lots, dlvd ..... lb. .53 - —
Dioxane, dms., c.l., works ..... lb. .28¾- —
l.c.l., same basis ..... lb. .29¼- —
tanks, same basis ..... lb. .27 - —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., c.l., works, lb. .34 - —
l.c.l., works ..... lb. .37 - —
Dipentene, dest-dist., dms., extra, c.l., works gal. .49 - —
l.c.l. ..... gal. .50 - —
l.c.l., whse ..... gal. .68 - —
steam-dist., dms., c.l., works, south gal. .60 - —
l.c.l., works, South ..... gal. .69 - —
dlvd., N. Y. ..... lb. .83 - —
Diphenyl, bbls., c.l., works ..... lb. .15 - —
l.c.l., works ..... lb. .16 - .20
Oxide, perfume grade, cns ..... lb. .54 - .91
Phthalate, dms., c.l., works ..... lb. .45 - —
l.c.l., same basis ..... lb. .47 - —
Diphenylamine, refined, gran., bbls., c.l., works lb. .28 - —
l.c.l., works ..... lb. .30 - —
tankcars, works ..... lb. .25 - —
tech., tankcars, works ..... lb. .24 - —
Diphenylguanidin, dms., ton lots lb. .43 - —
smaller lots ..... lb. .44 - —
Diphenylhydantoin-sodium, USP, dms. lb. 5.30 - 5.60
Dipropyleneglycol, dms., c.l., frt. alld ..... lb. .16¾- .17
l.c.l., same basis ..... lb. .17¾- .18
tanks, same basis ..... lb. .15 - —
Methylether, dms., c.l., frt. equald. lb. .19¾- —
l.c.l., same basis ..... lb. .20¾- —
tanks, same basis ..... lb. .18¼- —
Ditertiarybutylmetacresol, dms., c.l., works lb. .31 - —
l.c.l., works ..... lb. .32 - —
tanks, works ..... lb. .30 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .91 - —
l.c.l., works ..... lb. .95 - —
Divi-divi 45% tannin bgs., bls., c.l., U.S. ports, ex dock ton. No stocks.



EASTMAN
INDUSTRIAL CHEMICALS

Solvents
acetone
ethyl acetate
isobutyl acetate
isobutyl alcohol
isopropyl acetate

Plasticizers
dibutyl phthalate
diethyl phthalate
di-(2-ethylhexyl) phthalate (DOP)
di-(methoxyethyl) phthalate
dimethyl phthalate
diethyl maleate

Anti-skinning Agents
Tecquinol*
hydroquinone mono methyl ether
mono-tert-butyl hydroquinone
Tenamene 20*

Film Bases
cellulose acetate
cellulose acetate butyrate

for the paint, varnish and lacquer industry

Stocks of most of these Eastman Industrial Chemicals are carried in the larger industrial centers of the United States. For further information, write or call our nearest representative.*

*SALES REPRESENTATIVES: New York—10 E. 40 St.; Cleveland—Terminal Tower Bldg.; Chicago—360 N. Michigan Ave.; Houston—412 Main St. West Coast: Wilson Meyer Co., San Francisco—333 Montgomery St.; Los Angeles—4800 District Blvd.; Portland—520 S. W. Sixth Ave.; Seattle—821 Second Ave.

TENNESSEE EASTMAN COMPANY Division of Eastman Kodak Company KINGSPORT, TENNESSEE

Divinylbenzene, 20-25%, dms., c.l., works lb. .20 - —
l.c.l., works lb. .21 - —
tanks, works lb. .19 - —
40-50%, basis 100%, dms., c.l., works lb. 1.25 - —
l.c.l., works lb. 1.35 - —
tanks, works lb. 1.20 - —
Dodecylbenzene, dms., c.l., works lb. .16 - —
l.c.l., works lb. .17 - —
tanks, l.c.l., works lb. .13½ - —
Doggrass root, dom., cut, bls lb. .26 - .28
imp., cut, bls lb. .28 - .35
Dogwood bark, Jamaica, bls lb. .11 - .13
Dragon's blood, drops, cs lb. .45 - .47
mass., cs lb. .90 - 1.00
reeds, cs lb. 1.60 - 1.65

Dyes, coaltar, certified colors for food drugs and cosmetics, 5-lb. and 1-lb. lots dlvd:—

Blue, FD&C, No. 1, cns lb.17.00 -17.60
No. 2, cns lb.17.00 -17.60
Green, FD&C, No. 1, cns lb 17.00 -17.60
No. 2, cns lb.22.20 -22.85
No. 3, cns lb.35.25 -35.90
Orange, FD&C, No. 1, cns lb 3.65 - 3.75
No. 2 cns lb. 4.65 - 4.75
Red, FD&C, No. 2, cns lb. 7.55 - 7.85
No. 2, cns lb. 4.00 - 4.10
No. 3, cns lb.22.20 -22.85
No. 4, cns lb. 7.20 - 7.50
No. 32, cns lb. 5.30 - 5.40
Violet, FD&C, No. 1, cns lb.17.00 - 17.60
Yellow, FD&C, No. 1, cns lb.10.50 -11.05
No. 3, cns lb. 3.30 - 3.40
No. 4, cns lb. 3.30 - 3.40
No. 5 cns lb. 4.00 - 4.10
No. 6, cns lb. 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb lots, dlvd.:—

Black, D&C, No. 1, cns lb.10.95 - —
Blue, D&C, No. 4, cns lb.13.55 - —
Brown, D&C, No. 1, cns lb.16.10 - —
Green, D&C, No. 5, cns lb.16.10 - —
No. 6, cns lb.16.10 - —
No. 7, cns lb.14.80 - —
Orange, D&C, No. 3, cns lb.10.95 - —
No. 4, cns lb.20.05 - —
No. 5, cns lb. 5.70 - —
No. 10, cns lb.20.70 - —
Red, DNC, No. 8, cns lb. 3.75 - —
No. 9, cns lb. 3.75 - —
No. 10, cns lb. 3.00 - —
No 11, cns lb. 2.25 - —
No. 12, cns lb.3.00 - —
No. 17, cns lb.10.95 - —
No. 18, cns lb.24.00 - —
No. 19, cns lb.20.05 - —
No. 21, cns lb. 4.70 - —
No. 22, cns lb.10.95 - —
No. 28, cns lb.24.65 - —
No. 33 cns lb.17.45 - —
Violet, D&C, No. 2, cns lb.16.10 - —
Yellow, D&C No. 7, cns lb.10.95 - —
No. 8 cns lb.10.95 - —
No. 10, cns lb.13.50 - —
No. 11, cns lb.13.50 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots dlvd:—

Blue, Ext., D&C, No. 1, cns lb.16.10 - —
Green, Ext., D&C, No. 1, cns lb.16.10 - —
Red, Ext., D&C, No. 1, cns lb.13.50 - —
Yellow, Ext., D&C, No. 1, cns lb.10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

20 Orange AD lb. .64 - —
27 Fast light orange 2G lb. .78 - —
31 Phloxine 2G lb. .64 - —
36 Alizarine yellow 2G lb. .83 - —
40 Orange II extra, conc lb. 1.06 - —
57 Fuchsine 6B lb. .57 - —
79 Scarlet 2R lb. .74 - —
151 Orange Y lb. .47 - —
161 Orange RR lb. .55 - —
176 Fast red A, conc lb. .90 - —
179 Azo rubine XX, conc lb. 1.04 - —
180 Blue F4B lb. .92 - —
185 Brilliant scarlet 3RN, conc lb. .93 - —
202 Chrome blue black, conc lb. .68 - —
203 Chrome black T lb. .71 - —
208 Fast blue SR lb. .91 - —
216 Chrome red B lb. .84 - —
234 Resorcin brown lb. .89 - —
246 Blue black, extra, conc lb. .86 - —
275 Milling red 3R, conc lb. 2.03 - —
289 Navy blue 3R, conc., 125% lb. 1.09 - —
299 Black F, conc lb. 1.40 - —
304 Neutral black 2B, conc., 200% lb. 2.01 - —
326 Fast scarlet 4BNC lb. 1.64 - —
332 Bismarck brown RX, conc. lb. .86 - —
365 Brilliant yellow, conc lb. 2.34 - —
382 Scarlet B lb. 1.65 - —
401 Diazo black, BHD lb. .63 - —
406 Blue 2B extra, conc lb. 1.07 - —
419 Diamine fast red FC lb. 1.12 - —
420 Diamine brown M lb. .90 - —
443 Benzo purpurine 4B, conc. lb. 1.18 - —
518 Diamine sky blue FF, extra, conc., 150% lb. 2.25 - —
561 Trisulphon brown BCW, conc lb. 2.03 - —
581 Direct black E, double lb. .89 - —
593 Diamine green BXN, conc. 150% lb. .97 - —
598 Congo brown GG, conc. 150% lb. 1.46 - —
620 Stilbene yellow G, conc lb. .92 - —
639 Xylene light yellow GX lb. 1.79 - —
640 Tartrazine, conc lb. 1.46 - —
655 Auramine, conc lb. 1.85 - —
667 Victoria green sml. cryst. lb. 2.10 - —
662 Brilliant green cryst lb. 2.79 - —
667 Brilliant milling green B, conc lb. 3.68 - —
671 Brilliant Blue E lb. 1.73 - —
680 Methyl violet S, conc lb. 1.10 - —
681 Crystal violet powder lb. 2.15 - —
698 Formyl violet S4B lb. 1.50 - —
720 Chrome azure blue BR, conc. 200% lb. 3.75 - —
729 Victoria blue B, conc lb. 2.79 - —
739 Green SN, extra lb. 2.41 - —
749 Rhodamine B, extra lb. 4.33 - —
814 Fast yellow NNL, conc. 175% lb. 3.11 - —
841 Safranine T, extra, conc., 125% lb. 2.90 - —
865 Nigrosine WSJ lb. .68 - —
922 Methylene blue ZX lb. 1.55 - —
969 Sulphanthrene blue GR paste, lb. .76 - —
978 Sulphogene carbon HCF grains lb. .32 - —
1034 Alizarin red S, conc lb. 2.59 - —
1054 Anthraquinone blue B lb. 2.91 - —
1078 Anthraquinone green G lb. 2.72 - —
1085 Alizarin blue black B lb. 2.33 - —
1096 Indanthrene golden orange G, single paste lb. 2.00 - —
double paste lb. 4.00 - —
1099 Indanthrene dark blue BO, single paste lb. 1.75 - —
1101 Brilliant green B, double paste lb. 2.36 - —
1106 Indanthrene blue RS, double paste lb. 2.57 - —
1113 Indanthrene blue GCD, double paste lb. 1.75 - —
1150 Indanthrene olive R, single paste lb. 1.10 - —
1151 Indanthrene brown R, single paste lb. 1.68 - —
double paste lb. 3.35 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype):

1212 Sulphanthrene red violet 2RN, single paste lb. 1.62 - —
1217 Sulphanthrene orange R, single, paste lb. 1.65 - —
p-4 Acid anthracene brown PGN, lb. 2.31 - —
p-14 Anthracene chromate brown EBN lb. 1.31 - —
p-24 Benzo fast black L, conc., 150% lb. 2.18 - —
p-80 Diazo brilliant scarlet ROA lb. 2.79 - —
p-202 Zambesi black V lb. 1.06 - —
p-313 Naphthol AS-SW lb. 2.42 - —
p-244 Celliton scarlet B lb. 1.31 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.

Black blue No. 550 lb. .81 - —
Jet, No 551 lb. .89 - —
Brown R, conc lb. 1.72 - —
Orange R, brilliant lb. .90 - —
Red 4 B, conc lb. 1.37 - —
Yellow C lb. 1.18 - —
FN, conc lb. 1.22 - —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms, sellers' works:—

Auramine, O lb. 1.85 - —
Black, basic, blue lb. 1.21 - —
Jet lb. 1.21 - —
Blue, methylene, 2 B, conc lb. 1.55 - —
Brown, Bismarck, R, conc lb. .86 - —
Chrysodine, R, extra lb. .60 - —
Y, extra lb. .64 - —
Fuchsine, conc lb. 3.08 - —
Green, malachite, conc lb. 2.10 - —
Rhodamine B lb. 4.33 - —
Safranine, Y, conc lb. 2.90 - —
Violet, methyl, B lb. 1.10 - —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works:

Azo rubine R, extra, conc lb. 1.04 - —
Black, acid blue, B, extra lb. .86 - —
Orange Acid, Y, conc lb. .47 - —
Scarlet croceine, MOO lb. 1.45 - —
Yellow, azo-, conc lb. .90 - —
Fast light, 3 G, extra lb. 2.04 - —
Methanil, conc lb. .91 - —

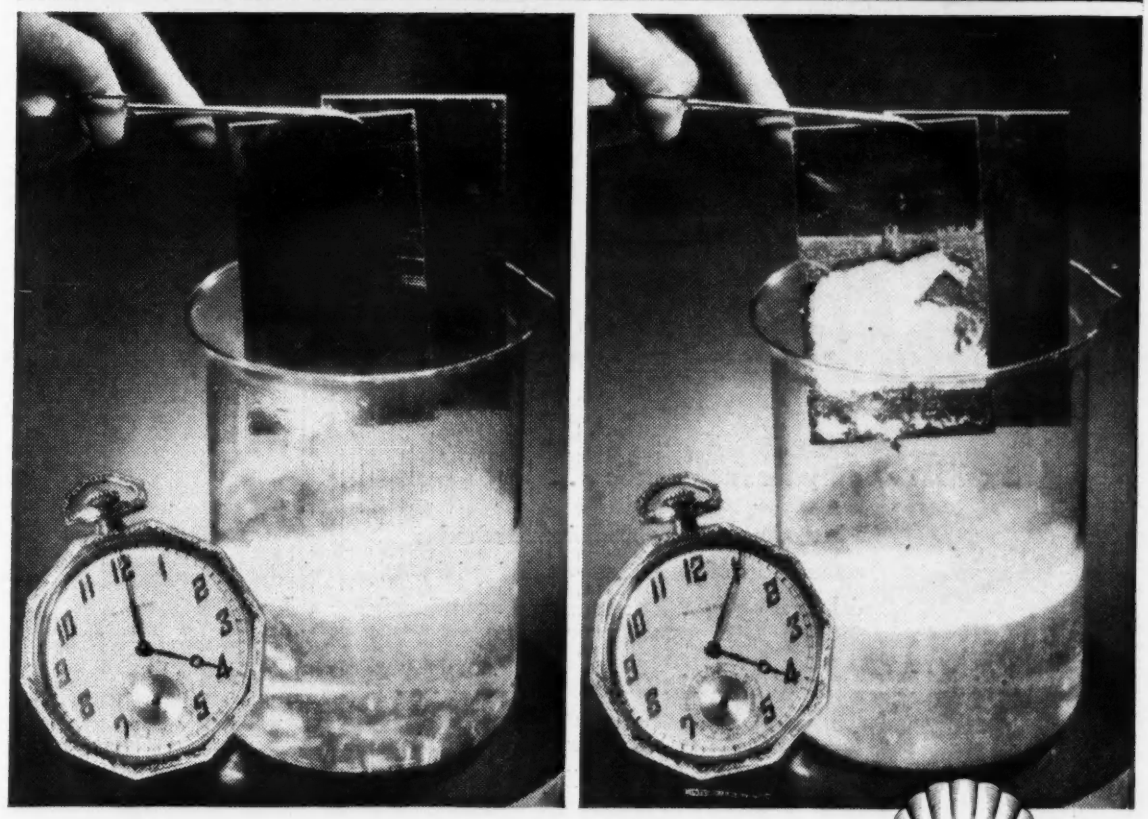
Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls lb. .65 Nom.
Egg albumen (see Albumen).
Yolk, dried, dom., bbls lb. 1.09 - 1.11
Chinese, spot, bbls., duty paid lb. No stocks.
tanners bbls lb. .06 - .06½
Elder flowers, bright, bls lb. .30 - .40
Elecampane root, bls lb. .21 - .25
Elm bark grinding, bls lb. .30 - .35
powd., bbls., bxs lb. .40 - .45
select, bundles lb. .50 - .55
Emetine hydrochloride, USP, bots., oz. 38.75 -42.85
Ephedrine synthetic, USP, anhydrous, bots., 100 ozs oz. .98 - 1.00
hydrous, bots., 100 ozs oz. .92 - —
Hydrochloride, tin, 100 ozs oz. .75 - —
Sulphate cryst., tins, 100 ozs. oz. .72 - —
powd., tins, 100 ozs oz. .73 - —
Epichlorohydrin, dms., c.l., works lb. .38¾ - —
l.c.l., works lb. .39½ - —
tanks, works lb. .37 - —

Epinephrine, synth., USP, bots., 100 grams gram. .50 - .60
Epsom salt, tech., bgs., c.l., works, 100 lbs. 2.15 - —
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 with drawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Ergosterol, unirradiated, cryst kilo 150.00 - —
Ergot, NF, dms., tin-lined lb. 7.50 - 8.00
Eserine, bots oz. 45.00 -50.00
Salicylate USP bots oz. 32.50 -34.00
Sulphate, bots oz. 34.50 -35.50
Ether acetate (see Ethyl acetate).
Butyl, dms., c.l., works lb. .34 - —
l.c.l., works lb. .34½ - —
tanks, works lb. .32½ - —
Butyric (see Ethyl butyrate).
Dichloroethyl, purified, dms., frt. equald lb. .17½ - —
l.c.l., same basis lb. .18 - —
tanks, same basis lb. .16 - —
technical, dms., c.l., works lb. .16½ - —
l.c.l., works lb. .17 - —
tanks, works lb. .15 - —
Ethyl, absolute, ACS, dms lb. .37 - —
anesthesia, USP, hospitals, 1-lb. cns lb. .89 - —
½-lb cns lb. .97 - —
¼-lb cns lb. 1.05 - —
solvent, USP, dms., c.l., dlvd. lb. .15¾ - —
l.c.l., same basis lb. .16¾ - —
tanks, same basis lb. .13¾ - —
synthetic, dms., c.l., dlvd. E lb. .1575 - —
l.c.l., same basis lb. .1675 - —
tanks, same basis lb. .1375 - —

Why long immersion in hot caustic won't harm EPON RESIN finishes



Try this test and see the difference

The Set-Up. One panel is coated with a widely used finish, the other with an Epon® resin finish. Both strips are then suspended in 20% boiling caustic for five minutes.

The Result. When the panels are removed, the conventional finish will be destroyed. The Epon resin coating, resistant to the corrosive attack of caustic solutions, remains unaffected.

The Reason. Epon resins are an entirely new class of condensation polymers . . . with *an ether linkage* instead of the usual ester bond. Thus Epon resins have unparalleled resistance to detergents, caustic solutions, many acids and stain-producing agents. And the inherent inertness of Epon resins is combined with flexibility and toughness never before achieved in a resin-type finish.

Send for samples and our brochure on Epon resins

SHELL CHEMICAL CORPORATION

CHEMICAL PARTNER OF INDUSTRY AND AGRICULTURE

EASTERN DIVISION:
500 Fifth Avenue, New York 36

WESTERN DIVISION:
100 Bush Street, San Francisco 6

Los Angeles • Houston • St. Louis • Chicago
Cleveland • Boston • Detroit • Newark • Atlanta

IN CANADA
Shell Oil Company of Canada, Limited
Toronto • Montreal • Vancouver

Ether, Isopropyl—Glauber's Salt

Ether, isopropyl, dms., c.l., dlvd. lb. .06¾- .09¼
l.c.l., dlvd. lb. .07½- .10
tanks, dlvd. lb. .05 - .07½
Nitrous, conc., bots., 100-lb. lots lb. 1.03 - 1.10
Vinyl, USP, anesthesia, bots., 50 cc. hospitals bot. 1.12 - —
75 cc. hospitals bot. 1.56 - —
Ethyl acetate, natural, fermentation 85-88%, dms., c.l., frt. alld. lb. .14¾- .21¾
l.c.l., frt. alld lb. .15¾- .22¾
tanks, frt. alld lb. .13 - .20
95-98% dms., c.l., frt. alld. lb. .15 - .22
l.c.l., frt. alld lb. .16 - .23
tanks, frt. alld lb. .13¼- .20¼
99%, dms., c.l., frt. alld lb. .15¼ .22¼
l.c.l., frt. alld lb. .16¼- .23¼
tanks, frt. alld lb. .13½- .20½
NF, dms., frt. alld lb. .24 - .25
synthetic, 85-90% dms., c.l., frt. alld lb. .14¾- —
l.c.l., frt. alld lb. .15½- .15¾
tanks, frt. alld lb. .13 - —
95-98%, c.l., frt. alld lb. .15 - —
l.c.l., frt. alld lb. .15¾- .16
tanks, frt. alld lb. .13¼- —
99%, dms., c.l., frt. alld lb. .15¼- —
l.c.l., frt. alld lb .16¼- —
tanks, frt. alld lb. .13½- —
Acetoacetate, dms., c.l., dlvd. lb. .55 - —
l.c.l., dlvd lb. .56½- —
Acrylate, dms., c.l., and truckload, dlvd. lb. .49 - —
less than truckload, dlvd. lb. .49½- —
tanks, dlvd. lb. .48 - —

Ethyl aminobenzate, USP (see Benzocaine).
Benzoate, cns., dms. lb. .74 - .79
Bromide, tech., 98%, dms. lb. .43 - .47
Butyrate, bots. gal. 6.10 - 6.60
cns., dms., works lb. .80 - 1.02
Carbamate (see Urethane).
Chloride, tech., dms., c.l., works. lb. .18 - .20
cyls., c.l., same basis lb. .20 - .22
tanks same basis lb. .10 - —
USP bbls., cyls lb. .22 - .24
Cinnamate, cns lb. 2.25 - 2.50
Formate, dms lb. .60 - —
Gallate, dms., 100 lb. to 2.000 lb. lots, works lb. 3.90 - 4.40
Iodide, bots., works lb. 3.80 - 4.13
cbys., works lb. 3.00 - —
Lactate, dms., works lb. .47½- —
Methacrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload, works lb. .50½- —
Nitrite (see Ether nitrous).
Oenanthate, dms. lb. 1.00 - 1.50
Oleate, dms., l.c.l., works lb. No prices.
Oxalate (see Diethyl oxalate).
Silicate, dist. (see Tetraethyl orthosilicate)
40% available SiO, dms., works, lb. .60½- —
Ethylalphanaphthylamine (see Monoethyalphanaphthylamine).
Ethylanilin (see Monoethylanilin).
Ethylbenzene, dms., c.l. lb. .14 - —
l.c.l lb. .15 - —
tanks lb. .13 - —
Ethylbutyl ketone, dms., c.l., works, lb. .33½- —
l.c.l., works lb. .34 - —
tanks lb. .32 - —

Ethylcellulose, bags, 5,000-lb. lots, works lb. .65 - —
smaller lots, works lb. .67 - .75
Ethylene dichloride, dms., c.l., works, frt. alld., E. of Rockies lb. .11¾- .12¾
l.c.l., works, frt. alld., E. of Rockies lb. .12¾- .13¾
tanks, frt. alld., E. of Rockies, lb. .10 - .11
Prices west of Rockies 1c. per lb. higher.
Oxide, cyls., c.l., frt. equald. lb. .26 - —
l.c.l., frt. equald lb. .27 - —
tanks, dlvd. E. lb. .19 - —
Trichloride (see Trichloroethane).
Ethylenediamine, 76%, dms., c.l., dlvd. lb. .49 - —
l.c.l., dlvd. lb. .50 - —
tanks, dlvd. lb. .47 - —
Ethyleneglycol, dms., c.l., frt. alld. E. lb. .18¾- —
l.c.l., same basis lb. .19¾- —
tanks, same basis lb. .17 - —
Diethylether, dms., l.c.l., works, lb. .55 - —
Monobutylether, dms., c.l., works, lb. .23¾- —
l.c.l., works lb. .24¼- —
tanks, works lb. .22 - —
Monoethylether, dms., c.l., works, lb. .20¼- —
l.c.l., works lb. .20¾- —
tanks, works lb. .19 - —
Monoethylether acetate, dms., c.l., works, lb. .19¾- —
l.c.l., works lb. .20¼- —
tanks, works lb. .18 - —
Monomethylether, dms., c.l., works, lb. .22 - —
l.c.l., works lb. .22½- —
tanks, works lb. .21 - —

Ethyleneglycol monomethylether acetate, dms., c.l., works lb. .28¾- —
l.c.l., works lb. .29¼- —
tanks, works lb. .27 - —
Monostearate, dms. lb. .35 - .42¼
Ethylethanolamines, mixed, dms., c.l., frt alld., E. Miss lb. .42 - —
l.c.l., same basis lb. .43 - —
tanks, same basis lb. .40 - —
Ethylmorphine hydrochloride, USP, bots oz.11.85 - —
Ethylorthotoluidine (see Monoethylorthotoluidin).
Ethylvanillin, cns., 25 lbs. lb. 6.75 - 7.30
smaller lots lb 7.35 7.40
Eucalyptol, USP, cns., dms. lb 2.35 3.10
Eucalyptus leaves, bls. lb. .10 - .11
Eugenol, pure, USP, bots. lb. 3.80 - 4.25
Euphorbia, herb, bls. lb. .12 - .14

F

Feldspar enamel, 100 mesh, bgs., works ton.20.00 -22.00
Glass, 20 mesh, bulk, tons, works. ton.11.75 -12.50
Pottery, bgs., ton lots, works ton.20.00 -22.00
bulk, c.l., works ton.18.00 -20.00
Fennel seed, Czech, dark, bgs. lb. .13 - .13½
light, bgs lb. .12½- .13
French bgs lb. No stocks.
Indian, bgs lb. .22 - .22½
Syrian, light, bgs lb. .20 - .21
Fenugreek seed, Indian, bgs. lb. No prices.
Moroccan, bgs lb. .05½- .05¾
Tunesian, bgs lb. .05½- .06
Ferric-ammonium citrate (see Iron ammonium citrate).
Ferric cacodylate (see Iron cacodylate).
Ferric glycerophosphate (see Iron-glycerophosphate).
Ferric hypophosphite (see Iron hypophosphite).
Ferric sulphate (see Iron sulphate-ferric).
Ferrous gluconate, NF, dms lb. .83 - .95
Film scrap, colored, cs., works lb. .15 - —
water-white, cs., works lb. .20 - —
Fir balsam, Canada, cns. gal.40.00 -42.00
Oregon, bbls gal. 2.35 - 3.25
Fishberries, bgs lb. .17 - .21
Fishliver oil (see Oil, fishliver).
Fishmeal ground 60% protein, bgs., Balto area ton.135.60 - —
Fishscrap, dried 60% protein, bulk, Balto area ton.130.00 - —
Fluorspar, acid grade, bulk, c.l., mine ton.60.00 - —
ceramic grade, 95-98% CaF_2, grd., bulk, mine, c.l. ton.47.00 Nom.
85% CaF_2, grd., bulk, mine ton.41.50 Nom.
metallurgical grade, foundry, lump, 55-60% effective CaF_2, bulk, mine, c.l., ton.38.00 Nom.
washed gravel, 59-60% effective CaF_2, bulk, mine, c.l. ton.38.00 Nom.
60-65% effective CaF_2, bulk, mine ton.39.00 - —
65-70% effective CaF_2, bulk, mine, c.l ton.40.00 Nom.
70% or better effective CaF_2, bulk, mine, c.l ton.41.60 Nom.
imported, bulk, ex dock, New York ton.37.00 Nom.
Formaldehyde, NF, (inhibited), dms., c.l., E. works lb. .0625- .0675
l.c.l., E. works lb. .0675- .0725
tanks, E. works lb. .0420- .045
methanol-free (uninhibited), tanks, works lb. .0395- .0425

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard as well as W. of Rockies, prices f.o.b. Texas plants, are .0270 for inhibited and .0245 for uninhibited.

Fleaseed (see Psyllium seed).
Fringetree bark, bls. lb. .55 - .62
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga., mines ton.38.50 - —
Illinois mines ton.37.20 - —
spent, bulk, Bayonne ton. 2.00 - 4.00
imported, bgs., c.l. ton.30.00 -40.00
Furfural, tech., dms., c.l., works lb. .13 - —
l.c.l., works lb. .15 - —
tanks, works lb. .108 - —
Fusel oil, refined, dms., c.l., dlvd. lb. .19¾- .29¾
l.c.l., dlvd lb. .20¾- .30¾
tanks, dlvd lb. .27 - .28
Fustic extract, cryst., No. 1, bbls., l.c.l lb. .47½- —
No. 2, bbls., l.c.l lb. .45½- —
No. 3, bbls., l.c.l lb. .43½- —
liquid, No. 1, bbls., l.c.l lb. .22½- —
No. 2, bbls., l.c.l lb. .21½- —
No. 3, bbls., l.c.l lb. .19 - —
solid, No. 1, bxs., l.c.l lb. .45 - —

G

G salt, bbls., frt. alld lb. .73 - —
Galangal root, bls lb. .18 - .25
Gammapicoline, 95%, dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas, 80 octane tanks gal. .1075- —
N. Y. Harbor, 86 octane, tanks gal. .1265- .136
Group 3, 82 octane, tanks gal. .10375- .107
Gulf coast, 82 octane, tanks gal. .105 - .11
Pennsylvania, western U. S. motor, 86 octane, tanks gal. .1275- .13
natural, 26-70 octane, group 3, tanks gal. .06875- —
Gelatin, silver label, imported, cs. lb. 1.25 - —
Gelsenium root, bls. lb. .25 - .26
Gentian root, bls. lb. .18 - .22
grd., bbls., bxs. lb. .22 - .26
powd., bbls., bxs. lb. .23 - .27
Geraniol, extra, cns., dms. lb. 2.10 - 2.50
standard, cns., dms. lb. 1.40 - 1.95
Geranyl acetate, cns. lb. 2.10 - 2.50
Ginger oleoresin, NF, from African roots, bots lb. 6.25 - 7.75
root, African, bls lb. .23 - .24
February-April, steamer, bgs. lb. .21 - .22
Cochin, unbleached, bgs. lb. .30 - .31
February-April, steamer, bgs. lb. .22 - .23
Jamaica, No. 1, bgs. lb. .60 - .61
No. 2, bgs. lb. .58 - .59
No. 3, bgs. lb. .50 - .51
February, steamer lb. .36 - .37
Rhatton, bgs., spot lb. .48 - .49
February, steamer lb. .41 - .42
Nigerian, split, bgs lb. .22 - .23
Feb.-Mar. shipment lb. .20 - .21
Ginseng root, cs. lb.13.00 -16.00
Glauber's salt, anhyd (see Sodium sulphate).
cryst., bgs., c.l., works, frt. alld. ton.45.00 - —
l.c.l., works ton.50.00 - —

★ *National defense requirements have created emergency demands for Jefferson chemicals. Our facilities are being expanded as rapidly as possible to cope with these requirements. We welcome your inquiries and will make every effort to serve you.*

Jefferson

Diethylene Glycol

Excellent Quality for Many Uses . . .

tobacco humectant • manufacture of resins
manufacture of plasticizers • printing inks
dehydrating agent for natural gas • textile softener • dyestuff solvent

Available East and West in Convenient Lots . . .

from Port Neches, Texas, or Union, N. J. in tank cars or 55 gallon drums.
Please address inquiries to Department A.

Please Return Those Empty Drums!

Because of an acute container shortage, we need our empty drums to continue giving you prompt delivery service.
Each Jefferson drum carries a large, easy-to-read return label. Simply write your company name on this label and the drum is ready for return *freight collect.* Thanks for your cooperation.

Jefferson Chemical Company, Inc.
711 FIFTH AVENUE, NEW YORK 22, N. Y.

ESSENTIAL CHEMICALS FROM HYDROCARBON SOURCES
ETHYLENE OXIDE • ETHYLENE GLYCOL • ETHYLENE DICHLORIDE • DIETHYLENE GLYCOL
MONOETHANOLAMINE • DIETHANOLAMINE • TRIETHANOLAMINE

Glue, bone, calcium-type, 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .21½- —
65 jellygrams, bgs., c.l., same basis lb. .22½- —
80 jellygrams, bgs., c.l., same basis lb. .23 - —
110 jellygrams, bgs., c.l., same basis lb. .24 - —
130 jellygrams, bgs., c.l., same basis lb. .25 - —
over 150 jellygrams, bgs., c.l., same basis lb. .26 - —

Bone glue, l.c.l., 1c. per lb. higher than c.l.

ground, 50-55 jellygrams, bgs., c.l. (50,000 lbs.), dlvd. lb. .24½- —
l.c.l., dlvd lb. .25½- —
Hide, 100-121 (jellygrams), bgs., c.l. dlvd lb. .28 - .32
122-149, bgs., c.l., dlvd lb. .29 - .34
150-177, bgs., c.l., dlvd lb. .30 - .35
178-206, bgs., c.l., dlvd lb. .31 - .37
207-236, bgs., c.l., dlvd lb. .32 - .38
237-266, bgs., c.l., dlvd lb. .33 - .39
267-296, bgs., c.l., dlvd lb. .34 - 40
299-330, bgs., c.l. dlvd lb. .35 - .41
331-362, bgs., c.l., dlvd lb. .36 - .41
363-394, bgs., c.l., dlvd lb. .37 - .42
395-427, bgs, c.l., dlvd lb. .38 - .43
428-460, bgs., c.l., dlvd lb. .39 - .44½
461-494, bgs., c.l., dlvd lb. .40 - .46
495-529, bgs, c.l., dlvd lb. .41 - .47

Hide glue, l.c.l., prices 1c. higher than c.l., bbls. ½c. more than bgs.

Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd lb. .24½- .27
soaplye, 80%, tanks, dlvd lb. .25 - —
dynamite, dms., c.l., dlvd lb. .38¾- —
l.c.l., dlvd lb. .39¼- —
tanks, dlvd lb. .38¼- —
high gravity, dms., c.l., dlvd lb. .39 - —
l.c.l., dlvd lb. .39½- —
tanks, dlvd lb. .38½- —
refined, BP, 98%, dms., c.l., dlvd. lb. .40⅞- —
l.c.l., dlvd lb. .41⅜- —
tanks, dlvd lb. .40⅜- —
USP, CP, 95%, dms., c.l., dlvd. lb. .39½- —
l.c.l., dlvd lb. .40 - —
tanks, dlvd lb. .39 - —
yellow, distilled, dms., c.l., dlvd. lb. .38⅞- —
l.c.l., dlvd lb. .39⅜- —
tanks, dlvd lb. .38⅜- —
Glycine, USP, (see Acid aminoacetic)
Glyoxal, 30%, dms., c.l. works lb. .18½- —
l.c.l., works lb. .19 - —
tanks, works lb. .18 - —
Gold chloride, acid-brown, bots. oz. 23.50 -24.00
acid-yellow, bots oz. 21.00 -21.50
Goldenseal root, bls lb. 3.60 - 4.00
powd., bxs lb. 3.90 - 4.25
Gold-sodium chloride, photo, bots. oz. 13.00 -14.00
USP IX, bots oz. 14.50 -15.50
Grains of paradise, bgs lb. .30 - .32
Graphite, amorph., powd., bgs., fib. dms., ex whse lb. .05 - .095
crystalline, 88-90%, powd., bgs., fib dms., ex whse lb. .19 - .215
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½
flake, No. 1, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
No. 2, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, brown, loose, dlvd lb. .04 - —
house lb. .04½- —
white, choice lb. .05⅞- —
yellow lb. .04⅞- —
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works lb. 4.50 - —
tungstated, PTMA, kgs., works lb. 5.75 - —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .38 - —
6-10% bbls., same basis lb. .39 - —
11-15% bbls., same basis lb. .40 - —
16-20% bbls., same basis lb. .40½- —
21-25% bbls., same basis lb. .41¼- —
26-30% bbls., same basis lb. .41¾- —
31-35% bbls., same basis lb. .42¾- —
36-40% bbls., same basis lb. .44½- —
41-45% bbls., same basis lb. .46 - —
46-50% bbls., same basis lb. .47¾- —
50% and over, bbls., same basis lb. .48¾- —
reduced color, 25%, bbls., same basis lb. .17 - .17¼

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga.; La. (Shreveport 1½c.); Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, l.c.l., bbls., dms., frt. alld lb. .93 - 1.20
pure, c.l., bgs., frt. alld lb. .37½- .44
Dyes (see Dyes, coaltar).
Emerald, malachite toner, tungstic, PTMA, bbls., works lb. 4.50 - 5.50
Marine toner, thioflavin malachite, molybdated, PMA, bbls., works lb. 4.25 - —
tungstated, PTMA, kgs lb. 5.00 - —
Paris (see Paris green).
Phthalocyanin toner, bbls., works. lb. 4.40 - —
resinated, bbls lb. 4.00 - —
water dispersable, bbls lb. 1.71 - —
Pigment B, kegs lb. 1.55 - —
Grindelia robusta herb, bls lb. .30 - .32
Guaiac resin, NF, cs lb. .55 - .60
ordinary, cs lb. .49 - .51
Guaiacol cryst., tins lb. 1.90 - —
liquid, NF, bots., cbys lb. 2.15 - 2.20
Guaiacol carbonate, dms lb. 3.15 - 3.20
Guarana powd., cs lb. 1.50 - 1.75
Gum accroides (see Gum yacca).
Aloe (see A.)
Ammoniac tears, cs lb. .35 - .45
Arabic, amber sorts, bgs lb. .16½- .18½
powdered, USP, bbls lb. .21 - .22
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs lb. .40 - .45
Camphor (see C).
Cellulose, bgs., 23,000 lbs. or more, works, frt. alld lb. .60 - —
smaller lots same basis lb. .62 - —
Copal, Congo, No. 1, bgs lb. .25 - .27
No. 2, bgs lb. .20 - .22
No. 3, bgs lb. .17½- .19½
Manila, loba B, bgs lb. No prices.
C, bgs lb. .32 - .35
CBB, bgs lb. .27 - .29
CNE, bgs lb. No prices.
DBB, bgs lb. .27 - .28
DK, bgs lb. .22 - .24
dust, bgs lb. .12½- .13½
soft, MA, bgs lb. .25 - .26
WS, bgs lb. No prices.
Philippine, pale, chips, bgs lb. .27 - .28
nubs, bgs lb. .32 - .33
seeds, bgs lb. .20 - .21
sorts, bgs lb. .24 - .25
Pontianak, chips, bgs lb. .26 - .27
nubs, bgs lb. .40 - .41

Gum, dammar, Batavia, A/E, bgs. lb. .23 - .25
dust, bgs lb. .08 - .10
E, bgs lb. .14 - .15
East India, bales, bold, bgs lb. .13½- .14½
nubs and chips, bgs lb. .08 - .10
black, bold, bgs lb. .13½- .14½
unscraped, bgs lb. .11 - .12
nubs and chips, bgs lb. .10 - .11
pale, chips, bgs lb. .14 - .16
nubs, bgs lb. .23 - .26
Singapore, No. 1, bgs lb. .34 - .36
No. 2, bgs lb. .23 - .25
No. 3, bgs lb. .09½- .11
dust, bgs lb. .09½- .11
seeds, bgs lb. .12½- .13½
Elemi, cns lb. .24 - .26
Ester, gum-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .17½- —
wood-rosin type, dms., c.l., dlvd., Ill., Ind., etc lb. .17½- —
Euphorbium, cs lb. .20 - .35
Galbanum, cs lb. .75 - .80
Gamboge, pipe, cs lb. .70 - 1.00
powd., bbls lb. .90 - 1.20
Ghatti No. 2, bgs lb. .35 - .37
No. 3, bgs lb. .31 - .33
Guaiac (see Guaiac resin).
Karaya, NF, powd., No. 1, bbls lb. .44 - .54
No. 2, bbls lb. .37 - .50
No. 3, bbls lb. .30 - .40
Kauri, bgs lb. .31½- .32¾
Kino, cs lb. 1.15 - 2.40
Locust bean, powd., bgs lb. .32 - .35
Mastic, cs lb. 1.55 - 2.10
Myrrh, cs lb. .30 - .35
Olibanum siftings, cs lb. .16 - .18
tears, cs lb. .20 - .30

Gum, opium (see O).
Red (see Gum yacca).
Rosin (see R).
Sandarac, cks lb. No stocks.
Scammony, cs lb. 1.50 - 1.55
Sterculia (see Gum karaya).
Talha, bgs lb. .10 - .11
Tragacanth, No. 1, cs lb. 3.50 - 3.75
No. 2, cs lb. 3.25 - 3.50
No. 3, cs lb. 2.50 - 2.75
powdered, USP, bbls lb. 1.25 - 1.35
Yacca, bgs lb. .06 - —
Gypsum, anhydrous filler, paper bgs., c.l., Medicine Lodge Kan ton. 19.00 - —
Plaster of paris, paper bgs., c.l., Baltimore, frt. equald ton. 16.30 - —
Harlem river, N. Y., frt. equald ton. 17.30 - —
Medicine Lodge, Kan., frt. equald ton. 16.00 - —
Stucco paper bgs., c.l., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt equald, ton. 8.00 - —
Gypsum, Ohio, frt. equald ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald ton. 8.00 - —
Roton, Texas, frt. equald ton. 8.00 - —
Southard, Okla., frt. equald, ton. 8.00 - —
Sweetwater, Texas, frt. equald ton. 8.00 - —

Glue, Bone, Calcium-Type—Hexalin

Gypsum, terra alba, dom., paper bgs., c.l., Baltimore ton. 14.40 - —
Harlem River, N. Y. ton. 14.40 - —
English, paper bgs., ex dock. ton. 46.00 - —
ex warehouse ton. 53.00 -56.00
small quantities lb. .04 - —

H

Hawthorn berries, bgs lb. .30 - .32
Heliotropine, cryst., cns lb. 3.25 - 3.65
Helonias root, bls lb. 1.65 - 1.75
Hellebore root dom., green, bls lb. .60 - .65
imp., black, whole, bls lb. .25 - .30
ground, bxs lb. .30 - .35
powder, bxs lb. .32 - .37
white, whole, bls lb. .25 - .30
powder, bxs lb. .35 - .45
Hematine, extract, cryst., No. 1, bbls., l.c.l. lb. .47 - —
No. 2, bbls., l.c.l. lb. .43 - —
No. 3, bbls., l.c.l. lb. .41 - —
No. 4, bbls., l.c.l. lb. .39 - —
No 5, bbls., l.c.l. lb. .37 - —
paste, No. 1, bbls., l.c.l. lb. .20½- —
Henbane leaves, bls lb. .32 - .35
Henna leaves, bls lb. .23 - .25
powd., bbls., bgs lb. .22 - .29
Heptane, industrial, Bayonne, N. J., tanks gal. .18 - —
group 3, tanks gal. .1375- .1405
Hesperidin methylchalcone, bots., works lb. 50.00 - —
Hexachlorophene, dms lb. 2.60 - —
Hexalin (see Cyclohexanol).

Save UP TO 21¢/Gal.

WITH

SPECIAL SOLVENTS

BY Celanese

Celanese® Solvent 203 is a primary butyl alcohol solvent formulated expressly to meet the requirements of nitrocellulose lacquers and thinners, SAE brake fluids, and other applications. It is composed of normal butanol, with some isobutyl and amyl alcohols. Use it in most applications as a **cost saving replacement** for normal butanol.

Celanese Solvent 301 is approximately two parts secondary butanol and one part of normal propanol. It is used **economically** in nitrocellulose formulations, in brake fluid mixtures, and in diluent and extender applications.

Celanese Solvent 601 is a low cost proprietory solvent containing methyl ethyl ketone, butylene oxides, and certain acetals. It is offered as a **cost saving replacement** for MEK to meet the requirements of vinyl and nitrocellulose solution formulators . . . lacquers and thinners.

Celanese Solvent 901 is a high solvency alcohol-type solvent competing with MIBC (Carbinol) and methyl amyl acetate. It is used as the high-boiling component of lacquers, thinners, and other coating formulations. It is recommended for control of blush resistance and flow.

Take advantage of the **all-around economy** of Celanese Special Solvents. Write for chemical bulletins and sample quantities. Evaluate them for performance and **cost savings** in your products. Celanese Corporation of America, Chemical Division, Dept. **556-C**, 180 Madison Avenue, New York 16.

CHEMICALS by CELANESE

Butyl Alcohols
n-Propanol
Methanol
Acetaldehyde
Paraformaldehyde
Formaldehyde
Formaldehyde in Alcohols
Acetic Acid
Acetone
Butylene Glycols
Dipropylene Glycol
Propylene Glycol
Propylene Oxide
Tricresyl Phosphates
Special Solvents

Celanese® CHEMICALS

*Reg. U. S. Pat. Off.

Hexamethylenetetramine—Lead Silicate

Hexamethylenetetramine, tech., bgs., 1,000 lbs. or more, Perth Amboy or N. Y. C. lb. .232 - —
less than 1,000 lbs., same basis lb. .242 - —
fib. dms., 1,000 lbs. or more, same basis lb. .239 - —
less than 1,000 lbs., same basis. lb. .249 - —
USP, dms., 500 lbs. or more, same basis lb. .40½- —
smaller lots, same basis lb. .41½- —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, Bayonne, N. J., tanks gal. .18 - —
Group 3, tanks gal. .145 - .148
Hexanol, normal, dms., c.l., works. lb. .34½- —
l.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Hexyl cinnamic aldehyde, dms lb. 2.25 - —
Salicylate, dms lb. 1.75 - —
Hexyleneglycol, dms., c.l., dlvd lb. .15¾- —
l.c.l., dlvd lb. .16½- —
tanks, dlvd lb. .14 - —
Hexylmethacrylate, normal, dms., less than truckload, works. lb. .71 - —
Hexylresorcinol USP, dms., 50 lbs. up, frt. alld lb.17.00 - —
works lb.15.00 -17.00
smaller lots, frt. alld lb.18.00 - —
works lb.16.00 -20.00
Histamine diphosphate, USP., bots. kilo.450.00 - —
Histidine hydrochloride, laevo, NF, fib. dms., 50-kilo lots, works. kilo.80.00 -85.00
1-5 kilos, works kilo.90.00 -95.00
Homatropine hydrobromide, USP, bots. oz.13.75 -14.00
Hydrochloride, bots oz.20.00 -22.00
Methylbromide, USP, bots oz.13.00 -14.50
Hoof meal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 7.25 - —
Hops, NF, bls lb. .30 - .35
Horehound herb, bls lb. .14 - .15
Hydrangea root, bls lb. .22 - .25
Hydrastine, bots oz.29.50 -31.00
Hydrochloride, NF, bots oz.29.50 -31.00
Sulphate, bots oz.35.00 -37.00
Hydrastinine, 10-grain bots bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofuramide, dms., fib. ctns., works lb. .30 - .40
Hydrogen chloride anhyd., 50-lb cyl., works lb. .55 - .60
Peroxide, USP, bbls., dlvd lb. .03¾- .05
35%, cbys., same basis lb. .217 - .242
dms., c.l., same basis lb. .21 - —
l.c.l., same basis lb. .215 - .24
tanks lb. .203 - —
Hydrogen peroxide prices on W. Coast 2c per lb. higher.
Hydroquinone, photographic grade, bbls., dms lb. .98 - 1.00
tech., dms. frt. equald lb. .78 - .84
Hydroxycitronellal, cns lb. 7.20 - 8.40
Hyoscine salts (see Scopolamine).
Hyoscyamine, bots oz.15.75 -16.00
Hydrobromide, bots oz.16.50 -18.00
Sulphate, bots oz.12.00 -15.00
Hypernic extract, cryst., No. 2, bbls., l.c.l. lb. .52 - —
liquid, No. 1, bbls., l.c.l. lb. .35 - —
No. 2, bbls., l.c.l. lb. .27 - —
Hyssop herb, bgs lb. .35 - .44
Leaves, bgs lb. .52 - .58

I

Iceland moss, bgs lb. .30 - .35
Ichthammol, NF, dms lb. .60 - .75
Indian red (see Red, Indian).
Indigo, nat., chests lb. 2.14 - 2.16
synth., paste, 20%, bbls lb. .28 - .28½
Indol, CP, bots lb.17.00 -21.00
Inositol, dms., dlvd lb. 5.60 - —
tins, dlvd lb. 5.70 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs lb. 1.84 - 2.04
resublimed, USP, bots., jars lb. 2.55 - 2.78
Iodochlorohydroxyquinolin, NF, dms., lb. 6.50 - —
Iodoform, NF, dms., kgs lb. 4.70 - 4.85
Ionone, alpha, cans lb. 6.70 -11.50
Beta, cans lb. 5.85 -17.50
Methyl, dms., cns lb. 5.85 -10.65
Ipecac root, bgs lb. 6.75 - 7.00
powd., bbls., bxs lb. 7.00 - 7.25
Irish moss, bleached, prime, bls lb. .25 - .30
Iron acetate liquor, 28°, bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
solut., USP, IX, cbys lb. .16 - —
djns. lb. .17 - —
Cacodylate, NF, bots lb.13.00 -14.00
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 6.25 - —
l.c.l., works 100 lbs. 7.50 - —
crystl., tech., bbls., c.l., works. 100 lbs. 5.25 - 6.25
l.c.l., bbls., works 100 lbs. 5.75 - 8.25
USP, dms., works lb. .07½- .09
solut., 42° Be, 100% basis, tanks, works 100 lbs. 3.45 - —
Citrate, gran., dms lb. .77 - .80
Gluconate, NF (see Ferrous gluconate, NF).
Glycerophosphate, NF, powd lb. 4.45 - 4.55
Iron hypophosphate, NF, dms lb. 2.80 - —
Iodide, bgs. lb. 3.66 - 3.73
Naphthenate liq., 6% Fe., dms., frt. alld lb. .23¾- —
Oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., pearls, cs lb. .64 - .65
Pyrophosphate, soluble, NF VII, gran., pearls, dms lb. .78 - .91
Reduced, NF, kgs lb. .90 - .95
Resinate, 7.4% Fe, dms., frt. alld. lb. .26½- —
Stearate, dms., c.l. lb. .37 - —
ton lots lb. .38 - —
less ton lots lb. .39 - —
Sulphate, partially hydrated, bgs., c.l., works ton.30.00 - —
l.c.l., works ton.31.00 - —
ferrous, tech. (see Copperas).
USP, cryst., bbls., dms lb. .09½- .10
Iron by hydrogen (see Iron, Reduced).
Iron-ammonium citrate, green, NF, gran., dms lb. .55 - .60
brown, USP, gran., dms lb. .55 - .59
Oxalate, dms lb. .25½- .34
Iron-potassium, oxalate, fine gran., dms lb. .30½- .37
Iron-sodium, oxalate, fine gran., dms lb. .25½- .34
Isoborneol, cns lb. 1.25 - 1.70
Isobornyl acetate, cns lb. .70 - .97
Propionate, dms lb. 1.15 - 1.50
Isobutyl acetate, cns lb. .75 - .97
Methylacrylate, dms., works lb. .60 - —
Isobutyraldehyde, dms., works lb. .50 - .53
Isoeugenol, cns lb. 4.80 - 5.40
Isopentane, dms., works lb. .43 - .55
Isophorone, dms., c.l., works lb. .24¼- —
l.c.l., works lb. .24¾- —
tanks, works lb. .22½- —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld lb. .14¼- .14¾
l.c.l., same basis lb. .15 - .15½
tanks, same basis lb. .12½- .13
Alcohol (see Alcohol, isopropyl).
Benzene (see Cumene).
Ether (see Ether, isopropyl).
Isopropylamine (see Monoisopropylamine).
Isoquinoline, dms., works lb. .65 - 1.25

J

Jaborandi leaves, bls lb. .15 - .20
Jalap root, NF, bls lb. .43 - .45
powd., bbls., bxs lb. .48 - .50
Juniper berries, bgs lb. .08 - .15
Tar, NF, dms lb. .42 - .65

K

Kamala, powd., cns lb. .75 - .80
Kaolin (see also Clay, China), NF, powd., fib. dms lb. .08 - .16¼
colloidal, fib. dms lb. .15 - .15½
Kava Kava root, bls lb. .28 - .30
Kerosene, at refinery, Ark., 42-44 specific gravity w.w., tanks, gal. .0925- —
California, 40-43 s.g., w.w., tanks gal. .126 - .130
Gulf ports, 41-43 s.g., w.w., tanks gal. .0900- .0925
N. Y. Harbor, 43-44 s.g., w.w., tanks gal. .101 - .102
Okla.-Tex., 41-43 s.g., w.w., tanks gal. .090 - .095
Penn., Western, 45 s.g., w.w., tanks gal. .11 - —
Kola nuts, bgs lb. .08 - .09
Kyanite, imp., 60% alumina, low iron content, 10 mesh, bulk, whse ton.95.00 -100.00
calcined, grain, 10-mesh, whse. ton.95.00 -105.00

L

Lady's slipper root, bls lb. 1.40 - 1.50
Lanolin, cosmetic, dms., works lb. .35 - .40
USP, anhydrous, dms., works lb. .33 - .38
hydrous, dms., works lb. .33 - .38
Lard, cash, trcs., Chicago lb. .1175 Nom.
Larkspur seed, bgs lb. .20 - .25
Laurel berries, bgs lb. .25 - .26
Leaves, Greek, bls lb. .10½- .11
Portuguese, bls lb. .10 - .10½
Turkish, bls lb. .11 - .11½
Yugoslavian, bls lb. .09 - .09½
Lauryl chloride, dms., works, frt. equald lb. .75 - —
Methacrylate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls lb. .55 - .60
ordinary, bls lb. .16 - .20
select, bls lb. .70 - .80
Lead acetate, white crystals, bbls. lb. .24 - —
gran., bbls lb. .25 - —
powd., bbls lb. .25 - —
NF, cryst., dms lb. .32 - .33
gran., powd., dms lb. .32 - .33
Arsenate, dealers, acid powder, 3-lb. bgs. or larger, c.l., frt. alld. on 96 lbs. or over lb. .30 - —
l.c.l., frt. alld lb. .31 - .32
1-lb. bgs., c.l. lb. .45 - —
l.c.l. lb. .46 - —
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld lb. .1919- —
l.c.l., works lb. .2019- —
Carbonate (see Lead, white).
Chloride, dms lb. .39 - —
Iodide, NF V, jars lb. 3.82 - —
Linoleate, precip., 26.15%, dms lb. .35 - —
Metal, pigs, prime, N. Y lb. .19 - —
St. Louis lb. .1880- —
Metallic paste, dms., 20,000-40,000 lbs., works lb. .36½- —
10,000-20,000 lbs., same basis. lb. .37 - —
2,000-10,000 lbs., same basis. lb. .37½- —
200-2,000 lbs., same basis lb. .38 - —
Prices ex whse. Jersey City, N. J., 4½c. per pound higher.
Naphthenate, liquid, 16% Pb, dms., dlvd lb. .17¾- —
24% Pb, dms., dlvd lb. .24¼- —
37% Pb, dms., dlvd lb. .32½- —
Nitrate, bbls., c.l lb. .24½- —
l.c.l. lb. .24¾- —
Oleate, fused, bbls lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works lb. .32¾- —
60% PbO, dms., works lb. .31¾- —
Peroxide, powd., tech., bbls lb. .41 - .43
Phthalate, dibasic, dms., works. lb. .42½- —
Red, 95%, Pb_3O_4 or less, bbls., c.l., ship't point, frt. alld. lb. .2155- —
l.c.l., same basis lb. .2255- —
97%, Pb_3O_4, bbls., c.l., same basis lb. .2180- —
l.c.l., same basis lb. .2280- —
98% Pb_3O_4, bbls., c.l., same basis .2205- —
l.c.l., same basis lb. .2305- —
Resinate, precip., dms., dlvd lb. .28½- —
Salicylate, normal, dms., works. lb. .46 - —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .1805- .1875

most any product in most any industry can be made better with DOWICIDE "A"

Dowicide® A is water soluble and is, therefore, easily added to water extended adhesive solutions giving them protection from decomposition caused by mold and bacterial attacks.

Dowicide A is used effectively to disinfect contaminated walls before the application of a mold resistant paint. Water extensible paints are preserved with Dowicide A.

Dowicide A is used to disinfect buildings, egg storage rooms, and poultry feeding stations. When used in the wax emulsion coating, it protects citrus fruits from blue mold and stem-end rot.

In the paper industry, Dowicide A is used to protect paper sizing and coating solutions from mold and bacterial attack, both during use and storage.

Dowicide A protects soluble oil emulsions from bacterial decomposition and the accompanying unpleasant odors, emulsion breakdown, and the clogging of screens.

Rayon or silk thread in storage is protected against mildew by the addition of Dowicide A. It is also used to preserve protein, animal glue, casein and starch sizing solutions.

Water solutions of Dowicide A are used as disinfectants and germicides in public buildings and homes, and as a deodorant in and around garbage cans and chemical toilets.

Dowicide A prevents mold and bacterial growth during many stages of leather processing. It is also used to protect coating and finishing materials from costly bacterial attacks.

MAKE your own tests today! We believe you will find even more new uses for Dowicide A. If you are confronted with a specific problem, make use of Dow's complete laboratory facilities—write for information concerning the many different Dowicide products, including Dow's PENTA, the dependable wood preservative.

THE DOW CHEMICAL COMPANY • MIDLAND, MICHIGAN

The Dow Chemical Company
Dowicide Department DC-33, Midland, Michigan
Please send me the Dowicide Product Information File.

Name _____ Title _____
Company _____
Street _____
City _____ State _____
I am interested in using Dowicide Products for _____

DOW CHEMICALS
INDISPENSABLE TO INDUSTRY AND AGRICULTURE

Lead stearate, dibasic, ton lots..lb. .56 - —
precip., bbls., c.l.....lb. .39 - —
ton lots.....lb. .40 - —
less ton lots.....lb. .41 - —
Sulphate (see Lead, blue; Lead, white; basic sulphate).
tribasic, dms., works.....lb. .29¼ - —
Tallate, liquid, 16% Pb, dms..lb. .15½ - —
24% Pb, dms.....lb. .21 - —
White, basic, carbonate, bgs., c.l., ship't point, frt. alld..lb. .2010- —
l.c.l., same basis.....lb. .2110- —
basic silicate, bgs., c.l., ship't point, frt. alld..lb. .1715- .2271
l.c.l., same basis..lb. .1815- .2371
basic sulphate, bgs., c.l., ship't point, frt. alld..lb. .1919- —
l.c.l., same basis.....lb. .2019- —
Lecithin, edible, tech., bleached dms., non-ret., c.l., works, lb. .16 - .18
l.c.l., same basis.....lb. .17 - .19
unbleached, c.l., same basis lb. .15 - .17
l.c.l., same basis.....lb. .16 - .18
Lemon peel, bls.....lb. .20 - .26
Leucine dextro-laevo, dms., works, lb.12.25 -15.00
Licorice extract, mass, cns.....lb. .20¾- .27
powd., bbls.....lb. .31 - .35
Root, bls.....lb. .08 - .09
5-lb. bundles, cs.....lb. .40 - .45
powd., bbls.....lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works..lb. .05¼- .06½
Lime, agricultural, bgs., works..ton.14.50 - —
Chemical (quicklime), lump, pebble, bulk, Adams, Mass.ton.18.00 - —
Annville, Pa.....ton.11.50 - —
Bellefonte, Pa.....ton.11.50 - —
Buffalo, N. Y.....ton.14.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa.....ton.11.50 - —
Farnams, Mass.....ton.14.00 - —
Gibsonburg, Ohio.....ton.12.50 - —
Hannibal, Mo.....ton.12.00 - —
Keystone, Ala.....ton.10.25 - —
Kimballton, Va.....ton.10.25 - —
Knoxville, Tenn.....ton.10.50 - —
Lewisburg, Ohio.....ton.10.00 - —
Limedale, Ark.....ton.10.00 - —
Marble Cliff, Ohio..ton.10.00 - —
Martinsburg, W. Va..ton.11.00 - —
McNeil, Tex.....ton. 8.50 - —
Mosher, Mo.....ton.10.25 - —
Redick, Florida.....ton.13.50 - —
Woodville, Ohio.....ton.11.50 - —
York, Pa.....ton.11.50 - —
Hydrated, paper bgs., Adams, Mass..ton.15.50 - —
Annville, Pa.....ton.14.50 - —
Bellefonte, Pa.....ton.14.50 - —
Buffalo, N. Y.....ton.16.00 - —
Cedar Hollow, Pa.....ton.14.50 - —
Chicago, Ill.....ton.12.50 - —
Engle, W. Va.....ton.14.50 - —
Farnams, Mass.....ton.14.00 - —
Gibsonburg, Ohio.....ton.16.50 - —
Hannibal, Mo.....ton.12.50 - —
Keystone, Ala.....ton.13.50 - —
Kimballton, Va.....ton.13.50 - —
Knoxville, Tenn.....ton.13.00 - —
Lewisburg, Ohio.....ton.14.00 - —
Limedale, Ark.....ton.12.00 - —
Marble Cliff, Ohio.....ton.13.50 - —
Manistique, Mich.....ton. 9.50 - —
McNeil, Tex.....ton.13.00 - —
Mosher, Mo.....ton.12.50 - —
Petoskey, Mich.....ton.10.00 - —
Redick, Fla.....ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton.14.50 - —
York, Pa.....ton.14.50 - —
Spray, paper bgs., Adams, Mass. ton.17.00 - —
Annville, Pa.....ton.17.00 - —
Bellefonte, Pa.....ton.15.50 - —
Carey, Ohio.....ton.11.00 - —
Engle, W. Va.....ton.14.50 - —
Farnams, Mass.....ton.14.00 - —
Gibsonburg, Ohio.....ton.16.50 - —
Keystone, Ala.....ton.13.50 - —
Kimballton, Va.....ton.13.50 - —
Kingston, Ala.....ton.13.50 - —
Lewisburg, Ohio.....ton.16.00 - —
Marble Cliff, Ohio.....ton.16.00 - —
McNeil, Tex.....ton.16.00 - —
Mosher, Mo.....ton.12.50 - —
Redick, Florida.....ton.16.00 - —
Rockland, Me.....ton.10.00 - —
Woodville, Ohio.....ton.16.50 - —
York, Pa.....ton.15.50 - —
Lime salts (see Calcium).
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd., bgs., works...ton. 3.50 - 4.00
Linalool, ex bois de rose, dms..lb. 6.25 - 6.45
ex lignaloe wood, dms.....lb. 6.75 - 7.10
Linalyl acetate, ex bois de rose, 90-92%, dms..lb. 6.15 - 6.45
96-98%, dms.....lb. 6.60 - 7.35
ex petitgrain, bots.....lb. 5.00 - 6.50
Lindane, 25% formulation, cns., works..lb. 2.70 - —
dms., works.....lb. 2.60 - —
99%, tech., dms., works.....lb. 5.75 - —
Linden flowers with leaves, bls..lb. .34 - .38
without leaves, bls.....lb. .45 - .50
Linseed meal expeller, 36%, bulk, Midwest mills..ton.68.00 Nom.
extracted, 36%, same basis..ton.66.00 Nom.
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld..lb. .2065- —
l.c.l., same basis.....lb. .2165- —
Lithium benzoate, dms.....lb. 1.65 - 1.67
Bromide, NF, bbls., works, frt. equald..lb. 1.90 - 2.35
Carbonate, NF, bbls., kgs.....lb. 1.05 - 1.15
Chloride, cryst., dms.....lb. .95 - 1.25
Citrate, NF, bbls., dms., kgs..lb. 1.05 - 1.40
Fluoride, bbls.....lb. 1.80 - 2.00
Hydride, powd., dms., works..lb.14.00 -26.00
Hydroxide monohydrate, dms..lb. .80 - 1.25
Salicylate, dms.....lb. 1.60 - 1.70
Lithopone, ordinary, bgs., c.l., dlvd. lb. .079 - —
l.c.l., dlvd.....lb. .0865- .0890
titanated (high-strength), bgs., c.l., dlvd..lb. .10 - —
l.c.l., dlvd.....lb. .11 - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Liverwort leaves, bls.....lb. .70 - .75
Lobelia herb, bls.....lb. .45 - .50
Leaves, NF.....lb. .85 - .90
Lobeline sulphate, bots., works..oz.33.00 -34.00
Logwood extract, crystals, No. 1, bbls., l.c.l..lb. .41 - —
No. 2, bbls., l.c.l.....lb. .39 - —
liquid, No. 1, bbls., l.c.l.....lb. .20 - —
No. 2, bbls., l.c.l.....lb. .19 - —
No. 3, bbls., l.c.l.....lb. .18½- —
solid, No. 1.....lb. .35 - —
Lovage root, imported, bls.....lb. .60 - .65
Lupulin, tins.....lb. 1.95 - 2.00
Lycopodium, cs.....lb. 1.50 - 1.60
Lysine hydrochloride, dextro-laevo, bots..kilo.145.00 -149.00

M

Mace, Siauw, No. 1, bls.....lb. 1.00 - 1.05
West Indian, cs.....lb. 1.00 - 1.02
broken, cs.....lb. .80 - .85
Magnesia, calcined, tech., ctns., works lb. .32 - .34¼
synth., rubber grade, ctns., works..lb. .31 - —
USP, light, ctns.....lb. .34 - .36
heavy, bbls.....lb. .36 - .38

Magnesite, chemical grade, bgs., c.l., works, frt. equald ton.72.50 - —
dead-burnt, bulk, c.l., standard grain, Chewalah, Wash..ton.36.30 - —
Magnesium bromide, jars.....lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald..lb. .09½- —
l.c.l., frt. alld.....lb. .10½- —
bbls., c.l., frt. equald.....lb. .10¾- —
l.c.l., frt. alld.....lb. .11¾- —
kgs., c.l., frt. equald.....lb. .12 - —
l.c.l., frt. alld.....lb. .13 - —
USP bgs., c.l., frt. equald..lb. .11¼- —
l.c.l., frt. alld.....lb. .12¼- —
bbls., c.l., frt. equald.....lb. .11¾- —
l.c.l., frt. alld.....lb. .12¾- —
kgs., c.l., frt. equald.....lb. .13 - —
l.c.l., frt. alld.....lb. .14 - —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county, Pa. Frt equald with N. Y. C. on all other destinations.

Chloride, anhyd., lump, 95-98%, dms., c.l., works, frt. equald..lb. .12¾- —
l.c.l., same basis..lb. .14 - .15
powd., bbls., works.....ton.50.00 - —
hydrous, flake, l.c.l., works, ton.49.00 -51.00
Gluconate, dms., cns.....lb. 1.30 - 1.37
Glycerophosphate, dms., works..lb. 5.10 - 5.20
Hydroxide, NF, medicinals, bbls., dms., kgs..lb. .29 - .30
Hypophosphite, dms.....lb. 1.60 - —
Laurate, bbls.....lb. .46 - .47
Metal, 99.8% ingots, cs., works..lb. .24½- —
sticks, cs., works, frt. alld. on carlots..lb. .42 - .44
Oleate, fused, bbls.....lb. .31 - —
Oxide (see Magnesia calcined).
Magnesium peroxide, 15%, dms., works..lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls..lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works....lb. .12 - .14
Sulphate (see Epsom salt).
Stearate, etns., c.l.....lb. .38 - —
ton lots.....lb. .39 - —
less ton lots.....lb. .40 - —
Trisilicate, USP, dms., 5,000-lb. lots..lb. .43 - .45
1,000-lb. lots.....lb. .45 - .47
100-lb. lots.....lb. .48 - .50

Bulky and super grades of magnesium trisilicate grades, 7c. per lb. higher.

Maleic anhydride, dms., c.l., dlvd. E. of Rockies..lb. .37 - —
l.c.l., dlvd. E. of Rockies..lb. .38 - —

Prices on maleic anhydride W. of Rockies, 1½c. higher.

Malva flowers, black, bls.....lb. .90 - 1.10
blue, bls.....lb. 1.65 - 2.00
Leaves, bls.....lb. .35 - .38
Mandrake root, bls.....lb. .43 - .45
Manganese acetate, bbls.....lb. .32½- —
Arsenate, bgs.....lb. .16 - —
Borate, tech., bbls.....lb. .24 - .28½
Carbonate, bbls., works.....lb. .21 - —
Chloride anhyd., dms., works lb. .20 - .22
Dioxide, African, battery, 84-87%, bgs., 100-ton lots, works ton.78.00 - —
smaller lots, works ton.84.00 -94.00
Gluconate, dms., cns.....lb. 1.86 - 1.93
Glycerophosphate, NF, fib. dms lb. 4.70 - 4.80
Hydrate, bbls., works.....lb. .34 - —

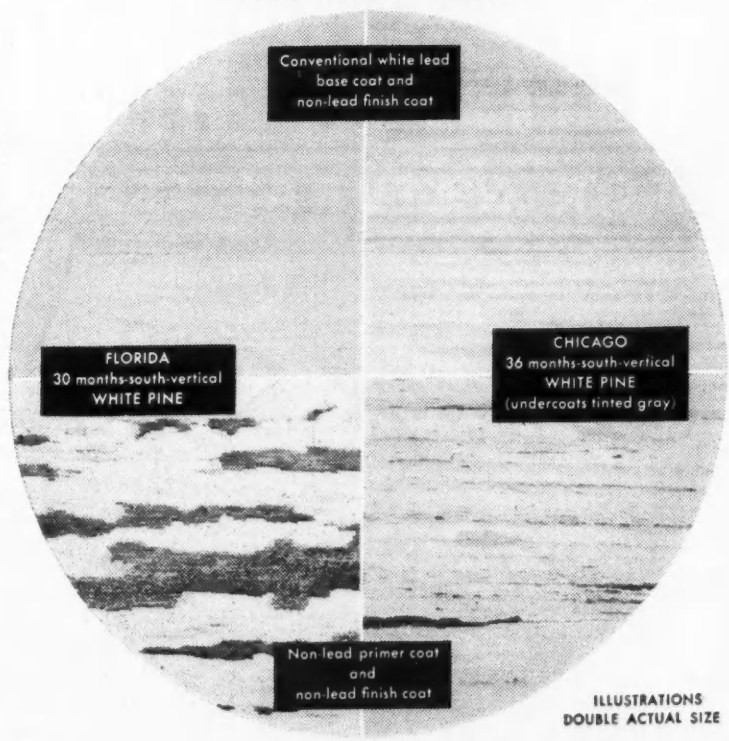
Lead Stearate—Menadione

Manganese hypophosphite, NF, dms. lb. 2.00 - —
Linoleate, liquid, 4.35% Mn., dms. lb. .30½- —
solid, precip., 8.2% Mn., bbls lb. .33½- —
Metal, cs., dlvd, East.....lb. .30 - .32
Naphthenate, liquid, 6% Mn., dms., frt. alld..lb. .25 - —
Oleate, precip., bbls.....lb. .33½- —
Resinate, fused, 3½% Mn., dms lb. .21½- —
precip., dms.....lb. .24½- —
Stearate, etns., c.l.....lb. .38 - —
ton lots.....lb. .39 - —
less ton lots.....lb. .40 - —
Sulphate, fertilizer grade, 65%, bgs., c.l., dlvd, S. E ton.75.50 - —
l.c.l., dlvd., S. E ton.82.50 - —
feed grade, 75%, bgs., c.l., dlvd. S.E ton.87.50 - —
l.c.l., dlvd. S. E ton.94.50 - —
Tallate, 6%, dms.....lb. .21¾- —
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton.80.00 Nom.
So. American, 30% tannin, c.l., ex dock ton.50.00 -52.00
Manna, flake, large, cs.....lb. 1.25 - 1.30
small, cs.....lb .80 - .95
Mannitol, com'l, dms., works..lb. .40 - .43
reagent, 50-lb. dms., works..lb. .55 - —
Marjoram, Argentine, bls.....lb. No stocks.
Bohemian, bls.....lb. .25 - .26
Chilean, bls.....lb. .23 - .24
French, bls.....lb. .30 - .31
Peruvian, bls.....lb. .22 Nom.
Matico leaves, bls.....lb. .25 - .35
Melamine, bgs., ton lots, works..lb. .33 - —
500 lbs. or more, works.....lb. .33½- —
less 500 lbs., works.....lb. .38½- —
Menadione, USP, bots.....gram. .06 - .06¼

TWO SEVERE TESTS

"LEAD" in Primer Paints

improves adhesion, stabilizes, plasticizes, and controls oil penetration.



ILLUSTRATIONS DOUBLE ACTUAL SIZE

Here's picture-proof of how "leaded" primer coats have greater staying power. The comparison of the white lead mixed pigment primer applied under a lead-free finish coat; and the lead-free paint, self-primed, emphasizes the superior performance of the "lead" primer. (Primers in Chicago exposure were tinted gray to highlight any topcoat erosion).

White lead's ability to stabilize and plasticize the film, to strengthen paint and to help it retain the optimum amount of oil explains why white lead primers withstand severe climatic conditions.

Chicago's industrial gases and rapid temperature changes, as well as Florida's moisture and sun-bake treatment, failed to permeate or crack the protective film of the white lead mixed-pigment primer—even though the non-lead finish coat showed rapid chalking and erosion that a conventional "lead" finish would have prevented. *Conclusive* proof of the tough, protective film that white lead gives to base coats.

That's why paint manufacturers offer their lead-pigmented paints with the assurance of longer staying power. For detailed information on the most effective use of "lead" in your paints—write for "White Lead in Mixed Pigment House Paints" and "White Lead Technical Bulletin #1." *Lead Industries Association, 420 Lexington Ave., New York 17.*

"LEAD" LENGTHENS THE LIFE OF PAINT BECAUSE:

It Stabilizes... neutralizes acidic compounds resulting from the decomposition of the vehicle—prevents the film from becoming soft or liquifying.

It Plasticizes... forms lead soaps which increase film flexibility.

It Strengthens.. flexible, spiny, lead-soap particles mechanically reinforce the film and increase elastic strength.

It Resists Water.. paint films with an optimum, lead-pigment content absorb only a small fraction as much water as do lead-free paints.

It Limits Oil Penetration... more of the vehicle remains in the film where it is needed; less is absorbed in the substrata.

It Improves Appearance... by controlling chalking and inhibiting mildew.

1569

Menthol—Mullein Leaves

Menthol, natural, USP, Brazilian, cs. lb. 7.25 - —
Chinese, cs. lb. 8.00 - —
synthetic, USP, racemic, cns. lb. 7.50 - 7.95
Menthyl salicylate, tins lb. 4.00 - 4.25
Mercaptobenzothiazole, bgs., fib. dms., ton lots, works, frt. alld. lb. .34 - —
less ton lots, same basis lb. .36 - —
Mercaptobenzothiazyldisulphide, bgs., fib. dms., ton lots, works, frt. alld. lb. .42 - —
less ton lots, same basis lb. .44 - —
Mercury, ammoniated (see White precipitated).
Bichloride (see Corrosive sublimate).
Chloride (see Calomel).
Cyanide, NF VIII, powd., fib. dms. lb. 5.29 - —
Iodide, red, NF, fib. dms lb. 6.22 - —
yellow, NF, fib. dms lb. 6.47 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 4.64 - —
Mesityl oxide, dms., c.l., dlvd lb. .13¼- .14¼
l.c.l., dlvd lb. .14 - .15
tanks, dlvd lb. .11½- .12½
Metaldehyde, dms., works lb. .95 - 1.23
Metachloranilin, dms., works lb. .80 - —
Metacresol, 98%, dms., c.l., works lb. .73½- —
l.c.l., works lb. .74½- —
Metanitroanilin, dms., frt. alld lb. 1.05 - —
Metanitroparatoluidin, bbls lb. 1.54 - —
Metaphenylenediamine, kgs., frt. alld. lb. .90 - —
Metatoluidine, bbls., c.l., works, frt. alld. lb. .78 - —
l.c.l., same basis lb. .80 - —
tankcars, same basis lb. .76 - —
Metatolylenediamine, kgs., frt. alld. lb. 1.00 - 1.02
Methanol, natural, denaturing grade, dms., c.l., frt. alld. gal. .78 - —
l.c.l., frt alld gal. .79 - —
tanks, frt. alld gal. .70 - —
Prices on natural methanol W. of Miss., 3c. higher.
synthetic Zone 1, dms., c.l., frt. alld. gal. .44 - .46
l.c.l., frt. alld gal. .49 - .50
tanks, frt. alld gal. .32 - .34
Zone 2, dms., c.l., frt. alld gal. .49½- .51½
l.c.l., ex whse gal. .51 - .55
tanks, frt. alld gal. .35½- .37½
Synthetic methanol zones are:—Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of the U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetetramine)
Methionine, dextro-laevo, fib. dms., frt. alld. 50-lb. or more lb. 4.55 - —
feed grade, 98%, fib., dms., same basis lb. 3.00 - —
97%, fib. dms., same basis lb. 2.97 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs., frt. alld. lb. .61 - .64
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .17 - —
l.c.l., same basis lb. .17½- —
hydrogentated non-ret. dms., c.l., dlvd. zone 1 lb. .17¼- —
l.c.l., same basis lb. .17¾- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.
Methyl acetone, natural, dms., c.l., E. of Miss., frt. alld. gal. .57 - —
l.c.l., same basis gal. .68 - —
tanks, same basis gal. .45 - —
Natural methyl acetone prices W. of Miss. 3½c. per gal. higher.
synthetic, dms., c.l., works, frt. alld. E gal. .66½- —
l.c.l., works, frt. alld. E gal. .72¼- —
tanks, works, frt. alld. E gal. .54½- —
Methyl acetone synth East territory in all States East of and including Colo., Mont., N. Mex. and Wyo. West territory all States West of those four.
Acrylate, dms., c.l., and truckload, works lb. .50 - —
less than truckload works lb. .50½- —
tanks, works lb. .49 - —
Alcohol (see Methanol).
Anthranilate, cns lb. 2.35 - 2.40
extra, cns lb. 2.65 - 4.40
Benzoate, cns., dms lb. .53 - .58
Bromide, jobbers, cyls., various sizes, works lb. .47 - .61
Chloride, indust., cyl., works lb. .18 - —
tanks, multi-unit works lb. .14 - —
single-unit, works lb. .11½- —
refrigerator mfrs., cyls., dlvd. lb. .39 - .48
other consumers or service men, cyls. dlvd lb. .486 - —
Cinnamate, cns lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works lb. .34½- —
l.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Formate refd., dms lb. .35 - .40
tech., non-ret. dms., any quantity, works lb. .08 - —
tanks, works lb. .07 - —
Methyl iodide, bots., works lb. 3.80 - 3.95
cbys., works lb. 3.00 - 3.25
Lactate, dms., l.c.l., works lb. .35 - —
Methacrylate, dms., c.l., and truckload, works lb. .36½- —
less than truckload, works lb. .37 - —
tanks, works lb. .35 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms. lb. 1.90 - 2.00
Roseanilin chloride, NF, fib. dms. lb. 5.40 - —
Salicylate, USP, dms., 500 lbs. lb. .50 - —
cns., 50 lbs. lb. .55 - —
Testosterone, USP, 100 gms. gm. 1.75 - —
Methylal, refined, 95%, dms., c.l., works lb. .11 - —
l.c.l., works lb. .12 - —
tanks, works lb. .09 - —
Methylamyl acetate, dms., c.l., dlvd. lb. .16¾- —
l.c.l., dlvd. lb. .17¾- —
tanks, dlvd. lb. .15 - —
Ketone, dms., works lb. 1.05 - —
Methylcellulose, special, vls., (1,500-4,000 cps.) 50-lb. bgs., c.l., works lb. .78 - —
2,000 lbs., and more, same basis lb. .80 - —
smaller lots, frt. alld. on 100 lbs. .85 - .97
standard vis., (15-400 cps.), 50-lb. bgs., c.l., frt. alld lb. .66 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. alld. on 100 lbs. lb. .72 - .85
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 3.25 - 3.60
smaller lots, kgs., same basis lb. 3.40 - 3.60
Chloride, indust., dms., c.l., dlvd. E lb. .13½- —
Methylethylketone, dms., c.l., dlvd. lb. .12¾- .13¼
tanks, dlvd. E lb. .12½- —
l.c.l., dlvd. lb. .13½- .14¼
tanks, dlvd. lb. .11 - .12
Methylethylpyridin, dms., c.l., works. lb. .47½- —
l.c.l. works lb. .48 - —
tanks, works lb. .46 - —
Methylheptin, carbonate, bots. lb. 35.00 -45.00
Methylionone, A, cns lb. 6.55 - 8.80
D, cns. lb. 7.50 - 9.55
prime, cns. lb. 4.55 - 6.40
Methylisobutyl carbinol (See Carbinol methylisobutyl).
Ketone, dms., c.l., dlvd lb. .14¾- —
l.c.l., dlvd. lb. .15½- —
tanks, dlvd. lb. .13 - —
Methylnaphthyl, ketone, cans lb. 3.00 - 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol).
Methylphenylpyrazolone, 250-lb. dms., dlvd. lb. 1.60 - 1.70
less than 250 lbs., dms., dlvd. lb. 1.80 - 1.90
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .04½- —
roofing, 20 to 80 mesh, works lb. .03⅜- —
wet-grd., biotite, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse. or frt. alld. E lb. .06½- —
extra fine, bgs., c.l., works, frt. alld., E lb. .05¾- —
l.c.l., ex whse. or frt. alld. E lb. .06½- —
paint or lacq., bgs., c.l., works, frt. alld., E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
rubber, bgs., c.l., works, frt. alld. E lb. .07 - —
l.c.l., ex whse. or frt. alld. E lb. .07¾- —
wallpaper, bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l., ex whse. or frt. alld. E lb. .08 - —
Mica, wet-grd., W. of Miss. R., ½c. higher; W. of Rockies, 1c. higher.
Milk powder, skimmed, roller, bbls., c.l. lb. .16 - .17½
spray, bbls., c.l. lb. .16¼- .17¾
whole, roller, bbls., c.l. lb. No prices.
spray, bbls., c.l. lb. .39½- .43½
Sugar, crude, bgs., c.l., works lb. .18 - —
edible, bgs., works, 30,000-lb. lots lb. .24 - —
2,000-lb. lots lb. .24¾- —
200-1,800-lb. lots lb. .25¼- —
Edible milk sugar in fib. dms., 1c. higher.
USP, fib. dms., 30,000-lb. lots, works lb. .29 - —
2,000-lb. lots, works lb. .29¾- —
200-1,800-lb. lots, works lb. .30¼- —
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap, industrial, tanks, New York gal. .29½- —
New Orleans gal. .27 - .27½
Molybdenum metal, 90% Mo, powd., kgs. lb. 3.00 Nom.
Trioxide, pure, kgs., works, basis Mo. content lb. 1.35 - —
technical, kgs., works, basis Mo. content lb. 1.13 - 1.14
Monochlorobenzene, dms., c.l., frt. alld. or dlvd. E lb. .10½- .11¼
l.c.l., same basis lb. .11½- .12¼
tanks, same basis lb. .09 - .10
Monochlorobenzene prices in the West, 1¾c. higher.
Monoethanolamine, dms., c.l., frt. alld. E lb. .29¾- —
l.c.l., same basis lb. .30¾- —
tanks, same basis lb. .28 - —
Monoethylalphanaphthylamine, dms., works lb. .88 - —
Monoethylamine dms., c.l., frt. alld. E., basis 100% lb. .32 - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .30¼- —
Monoethylanilin, dms., c.l., frt. alld. lb. .51 - .57
l.c.l., frt. alld lb. .52 - .58
tanks, frt. alld lb. .50 - .56
Monoethylorthotoluidin, bbls lb. .80 - —
Monoisopropylamine, dms., c.l., frt. alld. E lb. .29½- —
l.c.l., same basis lb. .30½- —
tanks, same basis lb. .28½- —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100%, lb. .35 - —
l.c.l., same basis lb. .35½- .36
tanks, same basis lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate, monobasic.
Phosphate (see Sodium phosphate monobasic).
Morphine, cns. oz. 12.40 -12.60
Acetate, anhyd., cns oz. 9.95 -10.00
Hydrobromide, cns oz. 9.90 - 9.95
Hydrochloride, NF, cns oz. 9.90 - 9.95
Sulphate, USP, cns oz. 9.90 -10.05
Morpholine, dms., c.l., dlvd. E lb. .60¾- —
l.c.l., dlvd. E lb. .61¾- —
tanks, dlvd. E lb. .59 - —
Mullein flowers, cs lb. 1.15 - 1.20
Leaves, bls. lb. .21 - .25

WHY PAY HIGH PRICES
FOR NATURAL ESSENTIAL OILS?

Change to... FELTON

ARTIFICIAL ESSENTIAL OILS

Economical! Available! Authentic!

- ABIES SIBIRICA
- ALLSPICE
- BERGAMOT
- CASSIA
- CEDAR LEAF
- CINNAMON
- CITRONELLA
- CLOVES
- GERANIUM
- LAVENDER
- LEMON
- LEMONGRASS
- ORIGANUM
- PATCHOULY
- PIMENTA
- PINE NEEDLES
- ROSE BULGARIAN
- SAGE
- THYME
- VETIVERT
- YLANG YLANG

AROMATICS · PERFUME BASES · ESSENTIAL OILS
FELTON CHEMICAL COMPANY, INC
599 Johnson Ave., Brooklyn 6, N. Y.
PLANTS Brooklyn, N. Y. · Los Angeles, Cal. · Montreal, Que. · Paris, France
SALES OFFICES Atlanta · Boston · Chicago · Dallas · Philadelphia · St. Louis · Toledo · Toronto
Stocks Carried in Principal Cities

Musk, natural, Tonquin grains, bots. oz. 40.00 -55.00
synthetic, ambrette, 100 lbs., fib. dms. lb. 5.60 - —
25 lbs., cns. lb. 5.70 - —
5 lbs., cns. lb. 5.85 - —
ketone, 100 lbs., fib. dms. lb. 5.35 - —
25 lbs., cns. lb. 5.45 - —
5 lbs., cns. lb. 5.60 - —
xylol, 100 lbs., fib. dms. lb. 1.65 - 1.75
25 lbs., cns. lb. 1.75 - 1.78
5 lbs., cns. lb. 1.85 - 1.90
Musk root, bls. lb. 1.60 - 1.65
Mustard seed, Calif. brown bgs., f.o.b. source lb. .12 - —
Danish, yellow bgs. lb. .12 - .12½
Dutch, yellow, bgs. lb. .12 - .12½
English, yellow, bgs. lb. .14½ - .15
German, yellow, bgs. lb. .17 - .17½
Montana, brown, bgs., f.o.b. source, Sept.-Oct. shipment lb. .08¼ - —
oriental, bgs., source, Sept.-Oct. shipment lb. .08½ - —
yellow, bgs., source, Sept.-Oct. shipment lb. .11 - —
Myrobalans, J1, assorted, bgs., ex dock ton. 52.00 -56.00
crushed, bgs., ex dock ton. 76.00 -77.00
J2, bgs., ex dock ton. No prices.
Monotertiarybutylmetacresol, dms., c.l., works lb. .49 - —
l.c.l., works lb. .50 - —
tanks, works lb. .48 - —

N

Naphtha, painters (see Petroleum naphtha V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, tanks, frt. alld. lb. .0625- .0700
78°, dms., c.l., same basis lb. .0765- .0840
l.c.l., same basis lb. .0790- .0865
tanks, same basis lb. .0675- .0750
refined, industrial, bbls., c.l., frt. equald lb. .11¾ - —
bgs., c.l., same basis lb. .11¼ - —
tanks, same basis lb. .10¾ - —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis. lb. .14½ - —
cs., 50 lbs., c.l., same basis lb. .14¾ - —
1-lb. pkgs., c.l., same basis lb. .17 - —
imported, crude, 78° large lots. lb. .09½ - .10¼
Natural gas, sweet, as chemical raw material, Texas well-head average prices, July, 1950:—
District 1, San Antonio M c.f. .04468- —
2. Refugio M c.f. .04128- —
3. Houston M c.f. .04769- —
4. Corpus Christi M c.f. .03729- —
5. Kilgore, Palestine, Mt. Pleasant M c.f. .04869- —
6. Kilgore, Palestine, Mt. Pleasant M c.f. .06743- —
7B. Abilene M c.f. .04696- —
7C. San Angelo M c.f. .04696- —
8. Midland M c.f. .04655- —
9. Wichita Falls M c.f. .04424- —
10. Pampa M c.f. .03913- —
Neocinchophen, USP, dms., frt. adjusted lb. 7.00 - 8.00
Nephelin svenite, glass, 24 mesh, bulk, Rochester, N. Y. ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y. ton. 18.25 - —
Nephelin syenite in bgs., $3 per ton higher than bulk.
Nerolin, cns. lb. 2.25 - 2.65
Niacin (see Acid nicotinic).
Niacinamide (see Nicotinamide).
Nickel, acetate, bbls., dlvd. lb. .60 - .60½
Carbonate, bbls., dlvd. lb. .66¼ - —
Chloride, bbls., dlvd. lb. .34½ - —
Cyanide, bots., dms. lb. 1.75 - 2.00
Formate, bbls., ton lots, frt. alld. lb. .58½ - .59½
Metal, electro cathodes, cs., works lb. .56½ - —
Nitrate, bbls., works lb. .33½ - —
Oxide, black, bbls. lb. .63¼ - —
Sulphate, bgs., c.l., dlvd. lb. .26¼ - —
l.c.l., dlvd. lb. .26¾ - —
Nicotinamide, USP, dms., frt. adjusted kilo. 12.00 -12.30
Hydrochloride, dms., frt. adjusted. kilo. 11.50 -11.80
Nicotine sulphate, 40%, 50-lb. dms., dealers, frt. alld. over 70 lbs. dm. 49.40 - —
10-lb. tins, dealers, frt. alld. on cases of 6 tin. 10.85 - —
Nikethamide, cbys. lb. 7.50 - 8.00
Nitrobenzene, dbl. dist., dms., c.l., frt. alld. lb. .10½ - .11½
l.c.l., frt. alld. lb. .11½ - .12½
tanks, frt. alld. lb. .09½ - .10½
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .33 - —
l.c.l., same basis lb. .34 - .36
18-25 cps., bbls., c.l. lb. .35 - —
l.c.l., same basis lb. .36 - .38
250-400, 600-1,000 secs., bbls., c.l., same basis lb. .42 - —
l.c.l., same basis lb. .43 - .45
spirit-soluble, 30-35 cps., ¼, ½, sec., bbls., c.l., same basis. lb. .45 - —
l.c.l., same basis lb. .46 - .48
5-6, 40-60 secs., bbls., c.l., same basis lb. .44 - —
l.c.l., same basis lb. .45 - .47
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
Nitroethane, dms., dlvd. E. of Rockies. lb. .25 - —
Nitrogen solution, tanks, works, N. ton. 120.00 - —
Nitrogenous process, tankage, bulk, works, ammo., ship't. unit-ton. 4.90 Nom.
Sewage sludge, bulk, works. unit-ton. 3.25 + .40
Nitromethane, dms., l.c.l., dlvd. E. of Rockies. lb. .25 - —
Nitropropane 1, dms., dlvd. E. of Rockies lb. .23¼ - —
2, dms., dlvd. E. of Rockies. lb. .25 - —
Nonylphenol, dms., c.l., works lb. .33¼ - .33½
l.c.l., works lb. .33¾ - .34½
tanks, works lb. .32¼ - .32½
Nutgalls, Aleppo, bgs. lb. .38 - —
Chinese, bgs. lb. .32 - —
Istrian, bgs. lb. .31 - —
Nutmeg, East Indian, cs. lb. .41 - .42
splits, bgs. lb. .41 - .42
West Indian, bgs. lb. .37 - .38
Nux vomica, bls. lb. .10 - .12
powdered, bbls., bxs. lb. .13 - .14

O

Octane, 100°-140°C., industrial grade, group 3, dms., c.l. gal. .19 - —
l.c.l. gal. .21 - .60
tanks gal. .15½ - —
10°C., b.r., Bayonne, N. J., tanks. gal. .18 - —
Octanol, normal, tech., dms., c.l., dlvd. lb. .419 - —
l.c.l., dlvd. lb. .439 - —
tanks, dlvd. lb. .394 - —
Octyl methacrylate, normal, dms., less than truckload, works. lb. .83 - —
Oil, abies siberica, cns. lb. 3.50 - 4.25
Almond, artificial, bitter (see Benzaldehyde).
natural, bitter, F.P.A., bots. lb. 3.15 - 3.85
NF, bots. lb. 3.00 - 3.75
sweet, USP, dms., cns. lb. .55 - .90
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.60 - 2.00
Angelina root, bots. lb. 120.00 -125.00
seed, bots. lb. 100.00 -110.00
Anilin (see A).
Anise, USP, Chinese, dms. lb. 1.60 - 2.20
Apricot kernel, USP, dms. lb. .48 - .65
Avocado, cns., dms. lb. 1.00 - 1.10
Babassu, crude, tanks lb. .12½ - —
Bay, NF, Puerto Rican, 50-55%, cns lb. 1.65 - 2.20
55-60%, cns. lb. 1.80 - 2.10
West Indian, 50-55%, cns., dms lb. 1.65 - 2.00
Bergamot, artif., cns lb. 2.90 - 6.00
natural, NF, Italian, cns. lb. 15.00 -16.50
Birchtar, crude, cns lb. 1.15 - —
rectified, NF, cns lb. 2.50 - —
Bois de rose, Brazil, dms lb. 4.10 - 4.75
Mexican (see Oil, lignaloe wood).
Bone, dms., works lb. .65 - .70
Cajeput, redist., USP, cns lb. 2.10 - 2.70
tech., dms. lb. 1.75 - 2.35
Calamus, cns. lb. 20.00 -28.00
Camphor, sassafrassy, dms lb .26 .42
white, dms lb. .21 - .45
Cananga, native, cns lb. 10.10 -11.00
rectified, cns lb. 11.90 -13.00
Capsicum (see Capsicum oleoresin)
Caraway, NF, cns lb. 4.00 - 4.50
Cardamom, NF, bots lb. 45.00 -70.00
Cassia, USP, cns., dms lb. 4.95 - 6.25
Oil, castor, blown, dms., c.l. lb. .3675- —
l.c.l. lb. .3725- —
dehydrated, bodied, dms., c.l. lb. .3960- —
l.c.l. lb. .4010- —
tanks lb. .3825- —
unbodied, dms., c.l. lb. .3860- —
l.c.l. lb. .3910- —
tanks lb. .3735- —
hydrogenated, dms., l.c.l. lb. .4550- —
No. 1, Brazilian, tanks lb. .3300 Nom.
USP, dms., c.l. lb. .3475- —
l.c.l. lb. .3525- —
tanks lb. .3375- —
refined and deodorized, dms., c.l. lb. .3625- —
l.c.l. lb. .3675- —
tanks lb. .3525- —
No. 3, tech., dms., c.l. lb. .3450- —
l.c.l. lb. .3500- —
tanks lb. .3350- —
sulphonated, 50% (48% fat), dms., l.c.l. lb. .19 - .20
75% (60-62% fat), dms., l.c.l. lb. .26 - .27
Cedarleaf, USP, cns., dms. lb. 2.25 - 3.50
Cedarwood, cns., dms. lb. .50 - .65
Celeryseed, bots. lb. 16.50 -21.00
Chamomile, blue, Hungarian, bots. lb. 180.00 -340.00
Chaulmoogra, NF, cns., dms. lb. .55 - .70
Chinawood (see Oil, tung).
Cinnamon bark, USP, bots. lb. 30.00 -60.00
leaf, Ceylon, bots lb. 2.25 - 3.25
Citronella, Ceylon, cns., dms. lb. .75 - 1.75
Java, true, cns. lb. 1.10 - 1.90
Java type, cns. lb. .70 - 1.50
Clove, USP, from buds, cns., dms. lb. 4.75 - 5.00
Oil, coconut, crude, tanks, Atlantic ports lb. .09¾ - —
Pac. coast lb. .08¾ - —
refined, Cochin type, tax incl., ret. dms., l.c.l. lb. .16½ - —
deodorized, tax incl., non-ret. dms., l.c.l. lb. .18¾ - —
Cod, Newfoundland, dms. lb. .14 Nom.
Codliver, USP, dms. gal. 1.85 - 1.90
Copaiba, cns lb. 2.50 - 4.25
Coriander, USP, bots lb. 24.00 -28.50
Corn, crude, tanks, works lb. .13 - —
foots, acid, 95%, tanks, N. Y. lb. .04¼ - —
raw, 50%, tanks, same basis. lb. .01¼ - —
refined, dms lb. .18 - .18¼
tanks lb. .16 - —
Costus, bots oz. 17.50 -23.00
Cottonseed, crude, tanks, Southeast lb. .12 - —
Texas lb. .11¾ - —
foots, acid, 95%, tanks, N. Y. lb. .02½ - —
raw, 50%, tanks, same basis. lb. .01¼ - —
salad, dms lb. .17¾ - —
tanks lb. .15½ - —
Creosote (see Creosote, coaltar).
Croton, cns lb. 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns lb. 5.50 - 7.50
Cumin, bots lb. 5.10 - 7.00
Cypress, bots lb. No stocks.
Degras (see D).
Dillseed, India, bots lb. 3.55 - —
Dillweed, domestic, bots., dms lb. 3.75 - 4.50
Dip (see D).
Erigeron, cns lb. 6.50 - 7.50
Eucalyptus, NF, rectified, 80-85%, dms. lb. 1.25 - 1.60
70-75%, dms lb. 1.00 - 1.45

Scents mean dollars!
Specialists in masking unpleasant odors

Submit your particular problem, preferably with sample of your product.

We will forward our recommendation without obligation on your part.

"MY SECRET OF SUCCESS"

Manufacturers of well-known **Odormasque P** for paints, solvents, kerosene, insecticides, etc.; and **Odormasque N** for mineral terps, rubber, plastics, etc.

Free samples upon request.

Albert Albek, Inc.
Culver City
California

HUNCA VANA ALBEK

Albert Albek, Inc.
3573 Hayden Avenue
Culver City, California
Please send a free sample and more information about:
( ) Odormasque P
( ) Odormasque N
NAME _____
COMPANY _____
ADDRESS _____
CITY _____ ZONE _____
STATE _____

Oil, Fennel—Orthoaminobiphenyl

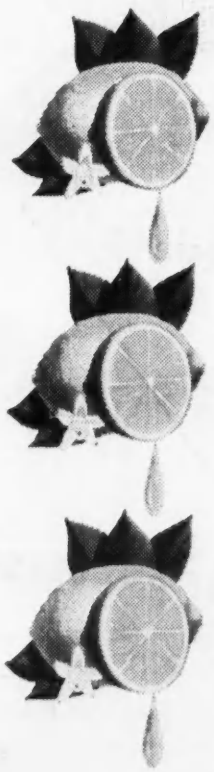
Oil, fennel, USP, cns ..... lb. 2.30 - 3.00
Fir, Canada, cns ..... lb. 2.85 - 3.10
Fish, refined, alkali, dms ..... lb. .1680- —
kettle-bodied, dms ..... lb. .1880- —
light-pressed, dms ..... lb. .1530- —
tanks ..... lb. .1370- —
Fishliver, crude, for feeds for concentrating, 4,000 to 12,000 A units per gm., dms., 1,000,000 units. .12 - .13½
10,000 to 20,000 A units per gm., dms 1,000,000 units. .12 - .12½
25,000 to 35,000 A units per gm., dms 1,000,000 units. .12 - .12½
40,000 to 55,000 A units per gm., dms 1,000,000 units. .12 - .13
prime, nat. or conc., 100,000 A units per gm., dms. 1,000,000 units. .13 - .15
200,000 A units per gm., dms. 1,000,000 units. .15 - .17
300,000 A units per gm., dms. 1,000,000 units. .15 - .17
400,000 A units per gm., dms. 1,000,000 units. .15 - .17
500,000 A units per gm., dms. 1,000,000 units. .15 - .17

Prices above are based on the USP XIV method of conversion. Morton-Stubbs Corrected E x 1900.

Fusel (see F).
Garlic, pure, bots ..... oz. 6.50 - 8.00
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns ..... lb.15.00 -26.00
Bourbon, cns ..... lb.12.35 -24.50
Turkish (see Oil, palmarosa).
Ginger, dist., bots ..... lb.19.00 -21.00
Grapefruit, dms ..... lb. 2.05 - 2.60
Oil, grease, No. 1, dms ..... lb. .10 - .11
extra, winter, strained, dms lb. .12½- .13½
prime, burning, dms ..... lb. .13 - .14
Guaiacwood, cns ..... lb. 1.75 - 2.10
Hemlock, cns ..... lb. 2.20 - 3.15
Juniper berry, NF, «VIII, bots lb. 2.75 - 4.00
twice rectified, bots ..... lb. 3.60 - 7.00
Tar, NF (see Juniper tar).
Wood, tech., cns ..... lb. .65 - 1.00
Lard (see Oil, grease).
Laurel, dms., cns ..... lb. 9.75 -12.50
Lavandin, dms., cns ..... lb. 3.50 - 4.50
Lavender, flower, USP, French, 30-32% ester, cns .... lb. 3.75 - 5.45
38-40% ester, cns .... lb. 4.75 - 6.75
40-42% ester, cns .... lb. 6.50 - 8.50
Spike, Spanish, cns ..... lb. 1.65 - 2.95
Lemon, USP, Calif., cns., dms lb. 5.50 - 6.00
Messina, cns ..... lb. 4.50 - 5.20
Lemongrass, cns., dms ..... lb. 1.70 - 3.05
Lignaloe wood, Mexican, cns . lb. 4.35 - 4.80
Lime, distilled, Mexican, cns . lb. 7.50 - 8.60
West Indian, cns ..... lb. 7.50 - 9.25
expressed, West Indian, cns lb. 7.50 - 8.75
terpeneless, bots ..... lb.45.00 -65.00
Linseed, raw, dms., c.l., Zone 3 lb. .1900- —
l.c.l., Zone 3 ..... lb. .1950- .2000
tankcars ..... lb. .1800- —
tankwagon ..... lb. .1830- —
Boiled, linseed oil, .006c. per lb. higher.
Mace, dist., cns., dms ..... lb. 3.75 - 5.25
Mandarin, Floridian, dms ..... lb. 4.00 - 5.00
Italian, cns ..... lb. 7.00 - 8.75
Menhaden, crude, tanks, Balto lb. .08 Nom.
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, expressed, dms lb. .23½- .24
synthetic, cns., dms ..... lb. 1.60 - 1.70
Oil, neatsfoot, 15°, dms ..... lb. .37 - .38
20°, dms ..... lb. .36 - .37
30°, dms ..... lb. .34 - .35
Neroli, NF, French, bots ..... lb.175.00 -195.00
Haitian, bots ..... lb.90.00 - —
Niaouli, cns ..... lb. 2.20 - 3.00
Nutmeg, USP, dist., East Indian, cns., dms .. lb. 4.25 - 5.75
West Indian, cns., dms .. lb. 3.75 - 4.75
Ocotea cymbarum, dms ..... lb. .72 - 1.10
Oiticica, liquid, dms ..... lb. .28 - .28½
tankcars ..... lb. .27 - .27½
Oleo, extra, dms ..... lb. .18 - .19
Olibanum, bots ..... lb. 5.50 - 7.65
extra fine, bots ..... lb. 8.00 - —
Olive, commercial, dms ..... lb. 2.00 - 2.05
edible, dms, duty paid .... gal. 2.20 - 2.30
foots, dms. ..... lb. .16½- .17
Orange, sweet, dist., cns ..... lb. .80 - 1.10
expressed, USP, Brazilian, cns., dms .. lb. No stocks.
Calif., cns ..... lb. 1.75 - 2.75
Florida, cns., dms ..... lb. 1.75 - 2.25
Messina cns ..... lb. 4.00 - 5.85
West Indian, cns ..... lb. 2.75 - 3.35
sesquiterpeneless, bots ..... lb.223.00 - —
Origanum, Spanish, cns ..... lb. 2.15 - 2.75
Palm, Congo dms ..... lb. .16 - —
Palmarosa, cns ..... lb. 7.00 - 8.00
Paraffin, pale, 100-110 vis., at 100°F tanks, East Coast refinery .. gal. .14 - —
Patchouli, dms ..... lb. 7.75 -17.00
Peach kernel, USP (see Oil, apricot kernel)
Peanut, crude tanks, Southeast, lb. .15¼- —
refined, dms. ..... lb. .19½- .20
tanks ..... lb. .17½- —
Pennyroyal, USP, imported, cns., lb. 3.00 - 4.50
redist., USP dms ..... lb. 7.50 - 8.30
Persic, USP (see Oil, apricot kernel).
Oil, perilla, crude, dms ..... lb. No stocks.
Petitgrain, Paraguay, cns ..... lb. 3.10 - 3.75
Pimento berry, NF, dms ..... lb. 4.75 - 5.75
leaf, cns ..... lb. 2.55 - 2.85
Pine, dest., dist., dms., extra, c.l., works .. gal. .75½- —
l.c.l. ..... gal. .76½- —
whse. ..... gal. .95½- —
steam dist., dms., ex whse., non-ret. dms., incl., l.c.l., ex. whse., N.Y.C. .. lb. .127 - —
Pineneedle, Siberian (see Oil, abies Siberica).
Putty, petroleum, dms., c.l., dlvd. lb. .11 - —
l.c.l., same basis ..... lb. .12 - —
tanks, same basis ..... lb. .10 - —
Rapeseed, tankcars ..... lb. .22 Nom.
Red (see Acid, oleic).
Rice, bran, clarif., dms., l.c.l. lb. .17¼- .17½
crude, tanks, dlvd. E .... lb. .12½- —
refd., salad, tanks, dlvd. E . lb. .17½- —
Rose, natural, Bulgarian, bots . oz.42.25 -62.25
Rosemary, Spanish, tech., cns., dms. lb. .60 - 1.10
USP, cns., dms ..... lb. .75 - 1.10
Rue, bots ..... lb. 2.25 - 2.50
Safflower, dms., c.l., works .. lb. .18½- —
tanks works ..... lb. .17½- —
Sage, clary, bots ..... lb.22.00 -23.00
Dalmatian, cns ..... lb.10.50 -13.75
Spanish, cns ..... lb. .90 - 2.25
Sandalwood, NF, cns ..... lb. 9.75 -12.00
Sardine, crude, tanks, Pac. coast lb. No stocks.
Sassafras, artificial, cns., dms. lb. .65 - .85
natural Brazilian (See Oil, ocotea cymbarum),
domestic, USP, cns., dms .. lb. 1.85 - 2.20
Savin, cns ..... lb. 2.75 - 3.00
Savory, cns ..... lb. No stocks.
Sesame, refd., dms., l.c.l. .... lb. .37 - .38
Shingle stain, tar distillate, dms lb. .20 - —
Snakeroot, Canada, cns ..... lb.31.00 -40.00
Soybean, crude, tanks, mills .. lb. .10½- —
foots, acid, 95%, tanks, N. Y lb. .04½- —
raw, 50%, tanks, same basis, lb. .02 - —
refined, alkali, dms., c.l. ..... lb. .1425- —
l.c.l. ..... lb. .1500- .1550
tanks ..... lb. .1325- —
clarified, dms., c.l. ..... lb. .1350- —
l.c.l. ..... lb. .1400- .1450
tanks ..... lb. .1250- —
salad, dms. ..... lb. .15½- .15¾
tanks ..... lb. .13¼- —
Spearmint, USP, dms ..... lb. 7.60 - 8.75
Sperm, bleached, winter, 45°, dms .. lb. .1630- .1660
tankcars ..... lb. .1520- —
natural, winter, 45°, dms .... lb. .1510- .1560
tankcars ..... lb. .1400- —
Spruce, cns., dms ..... lb. 2.20 - 3.15
Sweet birch, USP, Northern, cns. lb. 4.95 - 8.00
Southern, cns ..... lb. 2.00 - 3.50
Tall, crude, tanks, works ..... lb. .03 - .03¼
refined, dms., c.l., works .... lb. .06½- .07¼
l.c.l. works ..... lb. .06¾- .07¾
tanks, works ..... lb. .05¼- .06¼
Tallow, acidless, dms ..... lb. .10 - .10¼
Tansy, dms ..... lb. 8.75 - 9.00
Tar, pine, com'l, dms., extra, c.l., works .. lb. .0488- —
l.c.l., works ..... lb. .0545- —
whse. ..... lb. .0655- —
tanks, works ..... lb. .041 - —
rectified, N.F., l.c.l., dms, extra, works, South .. gal. .67 - —
whse, N.Y.C. ..... gal. .77 - —
Tar acid (see T).
Theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms .... lb. 1.95 - 3.75
white, cns ..... lb. 2.25 - 4.00
Tung, dom., tanks, mills ..... lb. .40½ Nom.
imported, dms., c.l. ..... lb. .43 - —
l.c.l. ..... lb. .43½- —
tanks ..... lb. .41½- —
Turkey red (see Oil, castor, sulphonated).
Turpentine, NF, cns., dms ..... lb. .32 - .65
Vetiver, Bourbon, cns ..... lb.23.50 -30.00
Haitian, cns ..... lb.20.50 -26.00
Java, cns ..... lb.35.00 - —
Wheat germ, 5-gal. dms .... gal.10.00 -13.00
White, mineral, tech., 50-65% vis., dms., c.l. .. gal. .51½- .54½
l.c.l. ..... gal. .56½- .57½
65-75 vis., dms ..... gal. .52½- .55½
l.c.l. ..... gal. .57½- .58½
NF, 80-90 vis., dms., c.l. .... gal. .53½- .56½
l.c.l. ..... gal. .58½- .59½
125-135 vis., dms., c.l. .... gal. .59½- .62½
l.c.l. ..... gal. .64½- .65½
145-155 vis., dms., c.l. .... gal. .66 - .68½
l.c.l. ..... gal. .71 - .71½
175-185 vis., dms., c.l. .. gal. .69½- .73
l.c.l. ..... gal. .74½- .76
USP, 200-210 vis., dms., c.l. .... gal. .72½- .75
l.c.l. ..... gal. .77½- .78
345-355 vis., dms., c.l. .... gal. .77 - .80
l.c.l. ..... gal. .83 - .85
Wintergreen, USP, nat., Northern, cns .. lb. 5.75 -14.50
Southern, cns ..... lb. 3.25 -19.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, NF, cns ..... lb. 7.50 - 8.60
Wormwood, cns ..... lb. 6.50 - 7.50
Ylang-ylang, Bourbon, bots .... lb.18.00 -30.00
extra, bots ..... lb.38.00 -40.00
Madagascar, bots ..... lb. No stocks.
Oleostearin, bbls ..... lb. .12½- .13
Olivine aggregate, c.l., mines ton. 7.00 - 9.50
crushed 8 mesh, bulk, c.l. .. works ton.10.00 - —
paper, bgs, c.l., works .. ton.12.00 - —
Opium, USP, cns ..... lb.19.20 -19.45
gran., USP, cns ..... lb.21.65 -21.90
powd., USP, cns ..... lb.21.65 -21.90
Orange, cadmium, lithopone, bbls., frt. alld. E. of Rockies . lb. 1.65 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., include Davenport, Tenn. and N. C. E. of Minneapolis, Rock Island, St. Louis, St. Paul . lb. .32 - —

Chrome orange prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport), 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex., 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City. Wichita prices are equalized with Chicago.

Dinitroanilin toner ..... lb. 1.30 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld. . lb. .2490- —
Molybdated, bbls ..... lb. .45 - —
Orthonitroanilin toner, kegs .. lb. 1.15 - —
Persian, bbls ..... lb. .65 - —
Orange flowers, bls ..... lb. .12 - .15
Peel, bitter, Haitian, bls ..... lb. .11 - .14
sweet, bls ..... lb. .14 - .16
Oregano, Italian, bgs ..... lb. .14 - .18½
Mexican, bgs ..... lb. .18½- .19
Portuguese, bgs ..... lb. .15 - .15½
Orris root, Florentine, bls ..... lb. .20 - .22
powdered, bbls., bxs ..... lb. .25 - .26
Verona, bls ..... lb. .14 - .15
powdered, bbls., bxs ..... lb. .19 - .24
Orthoaminobiphenyl, dms., c.l., works .. lb. .32½- —
l.c.l., same basis ..... lb. .33 - —
tanks, same basis ..... lb. .37 - —



FOR Superior FLAVOR

FOR Unmatched CLARITY

FOR Consistent UNIFORMITY

8 OUT OF 10 BUY...

EXCHANGE OIL of LEMON

When any product sells four times as well as all of its competition combined, that's a sure sign of quality. No product can hold such a dominant sales position year in and year out unless it fulfills all of the exacting requirements of thousands of quality-conscious buyers. Exchange Oil of Lemon does just that...with a consistency and regularity that have made it the standard in its field. So little Lemon Oil goes so far, why risk buying anything but the best?

Always specify it by the brand name when you order—

Distributed in the United States exclusively by

DODGE & OLCOTT, INC.
180 Varick Street, New York 14, N. Y.

FRITZSCHE BROTHERS, INC.
76 Ninth Avenue, New York 11, N. Y.

Exchange
OIL OF
LEMON
U.S.P.

CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT
ONTARIO, CALIFORNIA
Producing Plant:
Exchange Lemon Products Co.
Corona, California

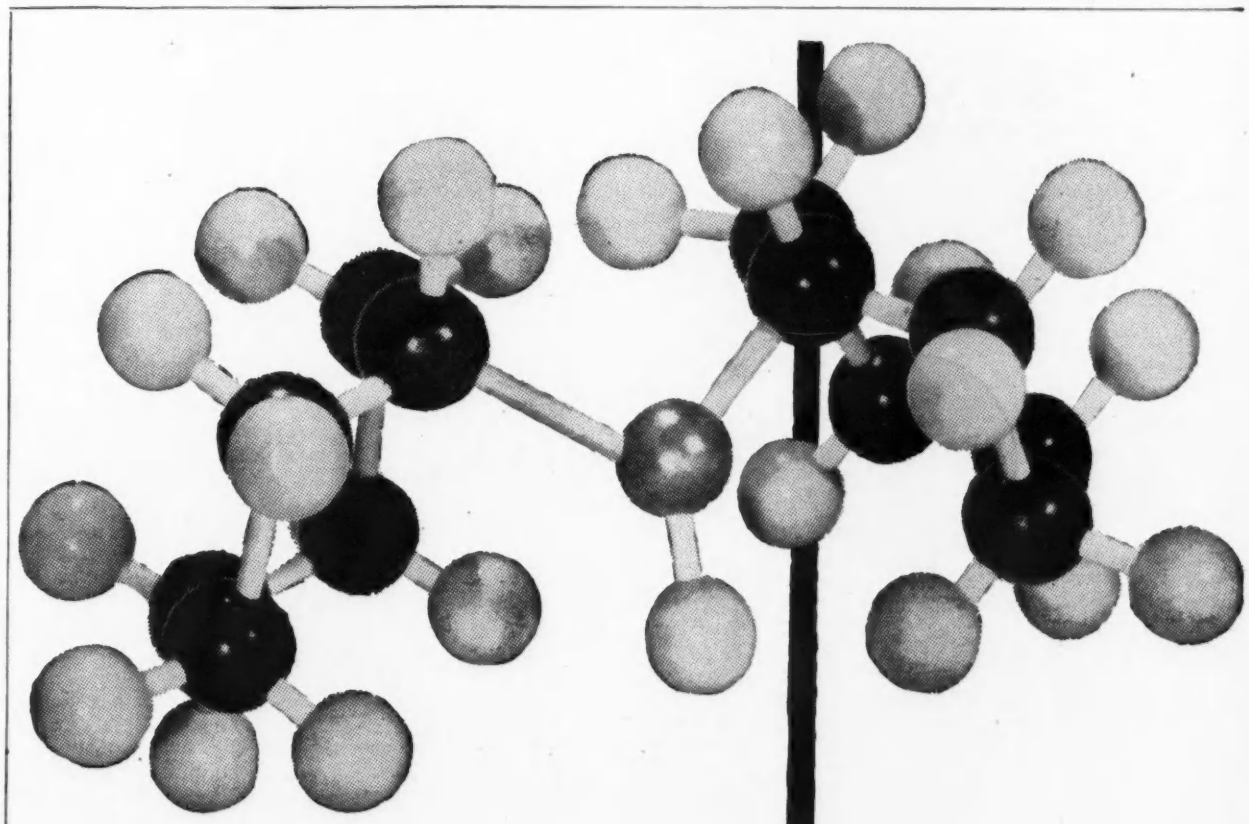
Orthoanisidin, bbls.	lb.	.88	- —
Orthochloroanilin, dms., c.l.	lb.	.65	- —
l.c.l.	lb.	.67	- —
Orthochlorobenzaldehyde, dms., works	lb.	1.18	- —
Orthochloroparanitroanilin, dms., dlvd	lb.	.86	- —
Orthochlorophenol dms., c.l., frt. equald	lb.	.34½	- —
l.c.l., same basis	lb.	.35½	- —
Orthocresol, pure, 30° C, non-ret., dms., c.l., frt. equald	lb.	.198	- —
l.c.l., same basis	lb.	.201	- —
ret. dms., c.l., same basis	lb.	.195	- —
l.c.l., same basis	lb.	.20	- —
29° C, non-ret. dms., c.l., same basis	lb.	.188	- —
l.c.l., same basis	lb.	.191	- —
ret dms., c.l., same basis	lb.	.185	- —
l.c.l., same basis	lb.	.19	- —
24-29° C, non-ret., dms., c.l., same basis	lb.	.178	- —
l.c.l., same basis	lb.	.181	- —
tanks, same basis	lb.	.165	- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.11¾	- .13¼
l.c.l., same basis	lb.	.12¾	- .14¼
tanks, same basis	lb.	.10¼	- .11¾
Orthoisopropyl N phenylcarbamate (see IPC).			
Orthonitroanilin, dms.	lb.	.50	- .56
Orthonitrochlorobenzene, dms.	lb.	.20	- .21
Orthonitrobiphenyl tech., dms., c.l., works	lb.	.14½	- —
l.c.l., works	lb.	.15	- —
tanks, works	lb.	.13	- —
Orthonitroparachlorophenol, cns.	lb.	.75	- —
Orthonitrophenol, bbls. works	lb.	.94	- —
Orthonitrotoluene, dms., c.l., frt. alld.	lb.	.10	- —
l.c.l., frt. alld	lb.	.11	- —
tanks, frt. alld	lb.	.09	- —
Orthophenetidin, dms., works	lb.	1.00	- —
Orthophenylphenol, fib. dms., works.	lb.	.20	- .44
Orthotoluidin, dms., c.l., works	lb.	.23	- —
l.c.l., same basis	lb.	.24	- —
tanks, same basis	lb.	.22	- —
Osage orange, crystals, No. 1, bbls., l.c.l	lb.	.40	- —
extract, liquid, No. 1, bbls., l.c.l	lb.	.19	- —
Orthotolidin (see Tolidine Base).			
Ouabaine, USP, bots	gram.	3.00	- 4.00
Ox gall, dried, gran. or powd., dms., 5 lbs. or more	lb.	4.35	- —
Oxyquinolin sulphate, cns., 100-lb. lots, works	lb.	4.75	- 5.00
smaller lots, works	lb.	5.28	- 5.38

P

Pancreas substance, assay 1:75 bots.	lb.	5.75	- 6.25
Pancreatin, USP, bots	lb.	2.50	- 3.00
Panthenol, bots., works, frt. adjust.	kilo.	90.00	- —
Papain, powd., NF, African, cs	lb.	6.45	- 9.00
Ceylon, cs	lb.	5.00	- 6.00
Papaverine, natural or synthetic hydrochloride, USP, cns., 1,000 oz. lots	oz.	5.00	- —
smaller lots	oz.	5.05	- 5.20
Sulphate, cns	oz.	7.10	- 7.35
Paprika, Algerian, bgs	lb.	.27	- .28
Czech, bgs	lb.	.26	- .27
Moroccan, bgs	lb.	.24	- .25
Spanish, bgs., new crop	lb.	.26	- .30
Para-anisidin, dms., works	lb.	.88	- —
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted	lb.	17.50	-21.00
Para-aminophenol, dms., frt. alld	lb.	.98	- 1.10
Parachloroanilin, dms., frt. alld., E. of Miss	lb.	.75	- —
Parachlorobenzaldehyde, dms., works.	lb.	1.34	- 1.37
Parachloro-orthonitroanilin, dms., frt. alld	lb.	.73	- .82
Parachlorophenol, dms., c.l., frt. equald	lb.	.34½	- —
l.c.l., same basis	lb.	.35½	- —
Paracresol, 98%, dms., dlvd	lb.	.50	- —
Methylether, cns	lb.	2.15	- 2.50
Paracymene, dms., works, 50 gals. or more	gal.	2.50	- —
smaller lots	gal.	3.00	- —
Paradibromobenzene, bgs., 500-lb. lots.	lb.	.55	- —
Paradichlorobenzone, dms., c.l., works	lb.	.14½	- .15½
l.c.l., same basis	lb.	.17	- .20
Paraffin, crude, scale, white, 120 AMP, solid, ctns., bbls. c.l., ref'y	lb.	.07	- —
tanks, same basis	lb.	.06	- —
fully refined, 122-124 ASTM, loose, c.l., ref'y	lb.	.0745	- —
125-127 ASTM, loose, c.l., ref'y.	lb.	.0745	- —
130-132 ASTM, loose, c.l., ref'y.	lb.	.0755	- —
132-134 ASTM, loose, c.l., ref'y.	lb.	.0755	- —
135-137 ASTM, loose, c.l., ref'y.	lb.	.0755	- —

Paraffin prices in bags and ctns., c.l., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb. higher.

Paraformaldehyde, tech., 94-95%, powd., dms., c.l., N. Y. delivery	lb.	.16½	- —
works	lb.	.14½	- —
10,000 lbs., N. Y. delivery.	lb.	.18	- —
works	lb.	.15½	- —
1,000 lbs., N. Y. delivery.	lb.	.19	- —
works	lb.	.16½	- —
less than 1,000 lbs., N. Y., delivery	lb.	.21	- —
works	lb.	.18½	- —
91-92%, flake, fib. dms., c.l., N. Y. delivery	lb.	.14½	- —
works	lb.	.12½	- —
10,000 lbs., N. Y. delivery.	lb.	.16	- —
works	lb.	.13½	- —
1,000 lbs., N. Y. delivery.	lb.	.17	- —
works	lb.	.14½	- —
less than 1,000 lbs., N. Y. delivery	lb.	.19	- —
works	lb.	.16½	- —
USP X, fib. dms., c.l., dlvd. N.Y.C.	lb.	.198	- —
10,000 lbs	lb.	.198	- —
1,000 lbs	lb.	.198	- —
smaller lots	lb.	.208	- —
Paraldehyde, tech., 98%, 55-gal. dms., c.l., works	lb.	.16½	- —
l.c.l., works	lb.	.17½	- —
tanks, works	lb.	.15	- —
Paranitroanilin, dms., c.l., works, frt. alld	lb.	.47½	- —
l.c.l., works, frt. alld	lb.	.50½	- —
Paranitrochlorobenzene, kgs., works.	lb.,	.21	- .22
Paranitrophenol, kgs., works, frt. equald	lb.	.46	- —
Paranitrotoluene, kgs., frt. alld	lb.	.36	- —
Paraphenetidin, dms., works	lb.	.90	- —
Paraphenylenediamine, redistilled, dms., works	lb.	2.30	- 2.80
tech., refd., dms., same basis	lb.	1.10	- 1.30
Paraphenylphenol, bgs., c.l., works.	lb.	.37½	- —
l.c.l., same basis	lb.	.42	- —
Paratertiarybutylphenol, bgs., c.l., works	lb.	.27½	- —
l.c.l., same basis	lb.	.28½	- —
Parathion, spray powder, 15%, dealers, tins	lb.	.72	- —
tech., dms., works	lb.	1.50	- —
Paratoluenesulphonamide, bbls., works	lb.	.70	- —
flake, bbls., frt. alld	lb.	.64	- .66
solid, bbls., frt. alld	lb.	.61	- —
Paratoluidin, flake, bbls., frt. alld.	lb.	.64	- .68
solid, bbls., frt. alld	lb.	.61	- —
Pareira brava root, whole, bgs	lb.	.30	- .35
ground, bxs	lb.	.40	- .48
powder, bxs	lb.	.43	- .50
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs. or over	lb.	.35	- .36
l.c.l., same basis	lb.	.39	- .67
Passion flower herb, bls	lb	.25	- .26
Peanut meal, 45%, sacked, mills.	ton.	90.00	Nom.
Pectin, citrous, NF, powd., bbls	lb.	2.05	- 2.06
tech., powd., bbls	lb.	1.50	- —
Penicillin, crystalline potassium, unlabeled vials, 100,000 units.	vl.	.10	- —
200,000 units	vl.	.12¾	- —
500,000 units	vl.	.22½	- —
1,000,000 units	vl.	.38	- —
Potassium, bulk, sterile, over 25,000,000,000 unit lots			
100,000 units.		.02½	- —
tablet grade, over 25,000,000,000 unit lots 100,000 units.		.02¼	- —
Procaine, bulk, over 25,000,000,000-unit lots			
100,000 units.		.02½	- .02¾
Penicillin, sodium, unlabeled, vials, 100,000 units	vl.	.10½	- —
200,000 units	vl.	.13¼	- —
500,000 units	vl.	.23¾	- —
1,000,000 units	vl.	.40	- —
2,000,000 units	vl.	1.03	- —
bulk, over 25,000,000,000 unit lots 100,000 units.		.02½	- —
Pennyroyal herb, bls	lb.	43	- .50
Pentachlorophenol, dms., c.l., works, frt. equald	lb.	21	- —
l.c.l. same basis	lb.	24	- .29
truckload, 20,000 lbs., min., same basis	lb.	.21¼	- —
Pentaerythritol, tech., bgs., c.l., works	lb.	.33	- —
l.c.l., works	lb.	.34	- .36
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).			
Pentane, industrial tanks, group 3.	gal.	.12	- .13½
Pepper, black, spot, bgs	lb.	1.59	- 1.60
February shipment, bgs	lb.	1.31	- 1.33
March shipment, bgs	lb.	1.25	- 1.27
April shipment, bgs	lb.	1.23	- 1.24
May shipment, bgs	lb.	1.22	- 1.23
Red, Carolina, longs, bgs	lb.	.30	- .31
Haitian, bgs	lb.	.26	- .27
Japanese hontakas, bgs	lb.	.35	- .36
birdseyes, bgs	lb.	.40	- —
Louisiana longs, bgs	lb.	.30	Nom.
Mississippi sports bgs., source.	lb.	.30	- .31
Mombasa, bgs	lb.	.53	- .54
Turkish, bgs	lb.	.26	- .27
Nigerian, caps, bgs	lb.	.20	- .24
Sierra Leone, bgs	lb	46	- 47
White, bgs	lb.	2.15	- —
Peppermint leaves, USP, dms. bls.	lb.	.50	- .52
imported bls	lb	80	- .90
Pepsin, NF, 1:3,000 bulk containers	lb	3.75	- 3.90
Perchloroethylene, dms. c.l., or truckloads, works	lb	11	- —
dlvd. E	lb	13½	- —
l.c.l., works	lb	11¾	- —
dlvd. E	lb	14	- —
tanks, works	lb	10	- —
dlvd. E	lb	12½	- —
Peru, balsam, dms.	lb.	1.75	- 1.90
Petrolatum, amber, dms., c.l., refy.	lb.	.05	- .05⅝
l.c.l., dlvd	lb.	.06⅜	- —
tanks, refy	lb.	.03¾	- .04⅛
cream, dms., c.l., refy	lb.	.06½	- .07⅛
l.c.l., dlvd	lb.	.08½	- —
tanks, refy	lb.	.05¼	- .05⅝
extra, amber, dms., c.l., refy	lb.	.05¼	- .05⅞
l.c.l., dlvd	lb.	.07	- —
tanks, refy	lb.	.04	- .04⅜
USP, white, lilly, dms., c.l., ref'y.	lb.	.06⅞	- .07⅛
l.c.l., dlvd	lb.	.09⅛	- —
tanks, ref'y	lb.	.05⅝	- .06
soft, dms., c.l., ref'y	lb.	.07¼	- .07¾
l.c.l., dlvd	lb.	.08¾	- —
tanks, ref'y	lb.	.06	- .06¼
snow, dms., c.l., ref'y	lb.	.07⅜	- .08
l.c.l., dlvd	lb.	.09⅜	- —
tanks, ref'y	lb.	.06¼	- .06½
yellow soft, dms., c.l., ref'y	lb.	.05¼	- .05⅛
l.c.l., dlvd	lb.	.06⅞	- —
tanks, ref'y	lb.	.04	- .04⅛



What will this chemical do next?

Monsanto Dicyclohexylamine long has been known as an efficient ingredient in the manufacture of oil additives and insecticides. More recently, it has proved to be the key chemical in producing packages that protect ferrous metal parts from corrosion. Perhaps it has many uses which your research can reveal. If you are a qualified chemist and interested in experimenting with dicyclohexylamine, we will send you a sample without cost or obligation. MONSANTO CHEMICAL COMPANY, Organic Chemicals Division, 1700 South Second Street, St. Louis 4, Missouri.

MONSANTO DICYCLOHEXYLAMINE

Molecular Weight	181.31
Standard Form	Clear, practically colorless liquid
Specific Gravity (15.5°/15.5°C.)	0.913-0.919
Distillation Range:	
First drop	252.0 °C. min.
95% (1-96 ml)	4.0° C. max.
Dry point	258.0° C. max.

DICYCLOHEXYLAMINE

MONSANTO CHEMICALS—PLASTICS

SERVING INDUSTRY... WHICH SERVES MANKIND

Petroleum—Pinetar

Petroleum crude bulk, at wells, California	bbl	1.10	2.99
Illinois	bbl	2.44	2.87
Kentucky	bbl	2.42	2.83
Louisiana Arkansas	bbl	2.08	2.90
Montana	bbl	1.28	2.775
Oklahoma Kansas	bbl	2.16	2.65
Pennsylvania lower field	bbl	3.82	—
Upper field	bbl	4.25	—
Texas, East	bbl	2.65	—
Gulf coast	bbl	2.38	2.95
North North-Central	bbl	2.23	2.65
Panhandle	bbl	2.23	2.65
West	bbl	2.33	2.65
Wyoming	bbl	1.28	2.875
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery	bbl	1.95	2.15
light, tanks refinery	bbl	2.00	2.25
eastern, tanks, Albany N. Y.	bbl	2.80	—
Baltimore, Md.	bbl	2.48	—
Boston, Mass.	bbl	2.51	—
Charleston, S. C.	bbl	2.34	—
Jacksonville, Fla.	bbl	2.31	—
N. Y. Harbor	bbl	2.45	—
Norfolk, Va.	bbl	2.43	—
Philadelphia, Pa.	bbl	2.48	—
Portland, Me.	bbl	2.54	—
Providence, R. I.	bbl	2.47	—
Savannah, Ga.	bbl	2.34	—
Diesel, tanks, refinery, California	gal.	.0825-	.115
Pennsylvania	gal.	.0925-	.0975
Furnace, tanks, refinery, Arkansas, No. 2	gal.	.085 -	—
No. 3	gal.	.08125-	—
N. Y. Harbor, No. 2	gal.	.091 -	—
Petroleum, fuel oil, diesel, tanks, ref'y, group 3, No. 1	gal.	.09 -	.09375
No. 1, straw	gal.	.09	.09375
No. 2, straw	gal.	.08375-	.08750
range	gal.	.09125-	.09250
Pennsylvania western, No. 1	gal.	.1075-	.11625
No. 2	gal.	.1025-	.1075
No. 3	gal.	.1025-	—
Lacquer diluent, California, 170-225 F. b.r., tanks, ex tax, f.o.b. Los Angeles	lb.	.167 -	.207
East coast, tanks, N. J. and N. Y. refinery	gal.	.18 -	—
group 3, benzol-type, tanks, refinery	gal.	.13125-	.13625
toluol-type tanks refinery	gal.	.12125-	.12625
Mineral spirits, California, tanks, ex tax, f.o.b. San Francisco	gal.	.157 -	.197
East coast, tanks, N. J., N. Y.	gal.	.16 -	—
Group 3, tanks	gal.	.10375-	—
tankwagon, Baltimore	gal.	.155 -	—
Boston	gal.	.165 -	—
Buffalo	gal.	.185 -	—
Newark	gal.	.17 -	—
New York	gal.	.165 -	—
Philadelphia	gal.	.155 -	.160
Pittsburgh	gal.	.19 -	—
Providence	gal.	.165 -	—
Rochester	gal.	.20 -	—
Syracuse	gal.	.21 -	—
Washington, D. C.	gal.	.195 -	—
Naphtha, cleaners, East Coast, tanks, N. J. and N. Y. refinery	gal.	.16 -	—
Group 3, tanks	gal.	.11875-	—
Petroleum naphtha, cleaners', tankwagon, Newark	gal.	.16½-	—
New York	gal.	.17 -	—
Philadelphia	gal.	.16 -	—
high flash, 140°, group 3, refinery, tanks	gal.	.134 -	.1425
high-solvency, 200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or East coast	gal.	.25½-	—
25-26° C., m.a.p. tanks, same basis	gal.	.24 -	.30½
270-370 b.r., 78-81° C, a.p., tanks, same basis	gal.	.29 -	—
49° C., m.a.p. tanks, same basis	gal.	.32 -	—
26-27° C., m.a.p. tanks, same basis	gal.	.24 -	.33
300-400 b.r., 28-32° C., m.a.p., tanks, same basis	gal.	.24 -	.30½
340-410 b.r., 36° C., m.a.p., tanks, same basis	gal.	.24 -	—
32° C., m.a.p. tanks, same basis	gal.	.24 -	—
27° C., m.a.p. tanks, same basis	gal.	.24½-	—
350-425 b.r., 32° C., m.a.p., tanks, same basis	gal.	.30½-	.31½
V.M.&P., tanks, ref'y, California, 245-360 b.r., Los Angeles	gal.	.147 -	—
Portland Ore	gal.	.158 -	—
San Francisco	gal.	.152 -	—
Seattle Wash	gal.	.158 -	—
East coast, N. J., N. Y., tanks	gal.	.17 -	—
Group 3, tanks	gal.	.11875-	—
tankwagon, Boston	gal.	.175 -	—
Newark	gal.	.185 -	—
New York	gal.	.17 -	—
Philadelphia	gal.	.165 -	.170
Pittsburgh	gal.	.20 -	—
Petroleum solvent, rubber, California, tanks, ex tax, San Francisco	gal.	.152 -	—
East coast, N. J., N. Y.,	gal.	.17 -	—
Group 3, tanks	gal.	.11875-	—
tanks	gal.	.1225-	—
Stoddard, California, tankwagon, ex-tax, Los Angeles	gal.	.157 -	.197
East coast, N. J., N. Y., tanks	gal.	.16 -	—
Group 3, tanks	gal.	.11375-	—
Pennsylvania, western, tanks	gal.	.14 -	—
tankwagon, Boston	gal.	.18 -	—
Newark	gal.	.17 -	—
New York	gal.	.17 -	—
Philadelphia	gal.	.16½-	—
Pittsburgh	gal.	.15 -	—
Syracuse	gal.	.21 -	—
Sulphonate, 70% sulphonic content, non-ret. dms., c.l., works	lb.	.2040-	—
l.c.l., works	lb.	.2065-	—
tanks, works	lb.	.1850-	—
60-62% sulphonic content, non-ret., dms., works	lb.	.18 -	.20
l.c.l., works	lb.	.19 -	.20¼
tanks, works	lb.	.155 -	—
50-55% sulphonic content, non-ret., dms., works	lb.	.16 -	—
l.c.l., works	lb.	.17 -	—
tanks, works	lb.	.135 -	—
Phenobarbital, USP, dms., 100 lbs.	lb.	4.50	4.70
Phenobarbital-sodium, USP, dms.	lb.	4.50 -	4.70
Phenol 90-92% (cresol, 8-10%), dms., c.l., frt. alld. E of Rockies	lb.	.19 -	.20½
l.c.l., same basis	lb.	.19¾-	.21½
tanks, same basis	lb.	.17¼-	.18¾
82-84% (cresol, 16-18%), dms., c.l., same basis	lb.	.19 -	.20½
l.c.l., same basis	lb.	.19¾-	.21½
tanks, same basis	lb.	.17¼-	.18¾
USP, synthetic, dms., c.l., same basis	lb.	.21 -	.21¼
l.c.l., same basis	lb.	.21¾-	.22
tanks, same basis	lb.	.19¼-	.19½
tar, distilled, dms. c.l. same basis	lb.	.19 -	.21
l.c.l., same basis	lb.	.19¾-	.21¾
tanks, same basis	lb.	.17¼-	.19¼
Phenolphthalein, USP, or yellow bbls., dms., 2,000-lb. lots.	lb.	1.10	—
smaller lots	lb.	1.12	1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted	lb.	.50 -	—
over 2,100 lbs., same basis	lb.	.52 -	—
less than 2,100 lbs., same basis,	lb.	.54 -	—
Phenyl acetate, dms., 100 lb. lots, works	lb.	.50 -	—
Salicylate (see Salol)			
Phenylacetaldehyde solution, 50%, bots	lb.	2.40	2.70
100%, bots	lb.	4.00	4.65
Phenylacetamide, 125-lb. dms., works, lb. lots	lb	1.25	—
smaller dms., works	lb	1.30	1.60
Phenylalamine dextro-laevo, dms., works	lb.	27.00	37.50
Phenylcarbethoxy pyrazolone, 250 lb fib. dms., dlvd. E	lb.	3.60	—
less than 250 lb. dms., dlvd. E	lb.	4.00	—
Phenyldiethanolamine, dms., c.l., frt. alld.	lb.	.40 -	—
l.c.l., frt. alld.	lb.	.36 -	.41
Phenylethanolamine, dms., c.l., works	lb.	.69½-	—
l.c.l., same basis	lb.	.70 -	—
Phenylethyl acetate, dms	lb.	1.50	1.90
Phenylethylphenyl acetate, bots	lb.	3.85	4.50
Phenylhydrazin base, CP bots	lb	3.00	3.07
Hydrochloride, commercial, kgs., works	lb	1.75	—
CP, bots., works	lb	5.12	—
Phenylmethylpyrazolone (see Methylphenylpyrazolone).			
Phloroglucinol, com'l, fib. dms., works	lb.	7.00	—
C.P., bots., fib. dms	lb	16.00	17.75
tech., fib., dms., works	lb.	10.45	—
Phosgene, 150-lb. cyls., works	lb.	.27½-	—
Phosphate defluorinated (see under D)			
Phosphate rock, Curacao, Atlantic ports	ton.	40.00	—
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l. mines, 70%-68%, b.p.l. c.l. same basis long ton		4.35	4.40
72%-70%, b.p.l., c.l., same basis long ton.		5.00	—
75%-74%, b.p.l., c.l., same basis long ton.		6.00	—
77%-78%, b.p.l., c.l., same basis long ton.		7.00	—
finely ground, 65% b.p.l. basis 30% P_2O_5 minimum, bulk, c.l., mines short ton.		4.92	—
68% b.p.l., basis 31% P_2O_5 minimum mines, short ton		5.38	—
70% b.p.l., basis 32% P_2O_5 minimum, mines short ton.		5.83	—
plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations			
Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5, c.l., mines long-ton.		6.45	—
30-29% P_2O_5 c.l., mines long ton.		7.21	—
Phosphorus, red, amorphous, cs., works	lb.	.42	—
dms., works	lb.	.39	.40
Yellow cns.	lb.	.30	.37
dms. c.l.	lb.	.28	—
Oxychloride, dms., c.l., works	lb.	.14	.17
l.c.l., dms., works	lb.	.15	.18
tankcars, works 100 lbs.		.11½-	—
Pentasulphide, dms., c.l., works	lb.	.12	—
l.c.l., dms., works	lb.	.13	.14
Pentoxide, dms., c.l., works	lb.	.12	—
l.c.l. works	lb.	.13	.14
Sesquisulphide, tins, cs., works	lb.	.28	.29
dms export	lb.	.33½-	.36
Trichloride, dms., c.l., works	lb.	.14	—
l.c.l. works	lb.	.15	.18
tankcars, works 100 lbs.		.11½-	—
Phthalic anhydride, bgs., c.l., works, frt. equald	lb.	.22	.22½
l.c.l., same basis	lb.	.23	.23½
tanks, same basis	lb.	.22	—
Bbls. ½c. per pound higher.			
Phthalimide, bbls. works	lb.	1.10	1.37
Phthalylsulphacetamide, fiber dms., 100-lb. lots	lb.	6.00	—
Pichi leaves, bgs	lb.	.16	.17
Picoline (see Alphapicoline and Betapicoline).			
Pilocarpine hydrochloride, NF bots	oz.	5.25	6.22
Nitrate, USP, bots., vials	oz.	5.10	6.20
Pimento, Guatemala, bgs	lb.	.20 -	.20½
Jamaica, bgs	lb.	.28½-	.30
Mexican, bgs	lb.	.15 -	.15½
Pinetar, retort, dms., extra, c.l., works	lb.	.0488-	—
l.c.l., same basis	lb.	.0545-	—
whse.	lb.	.0655-	—
tanks, works	lb.	.041 -	—

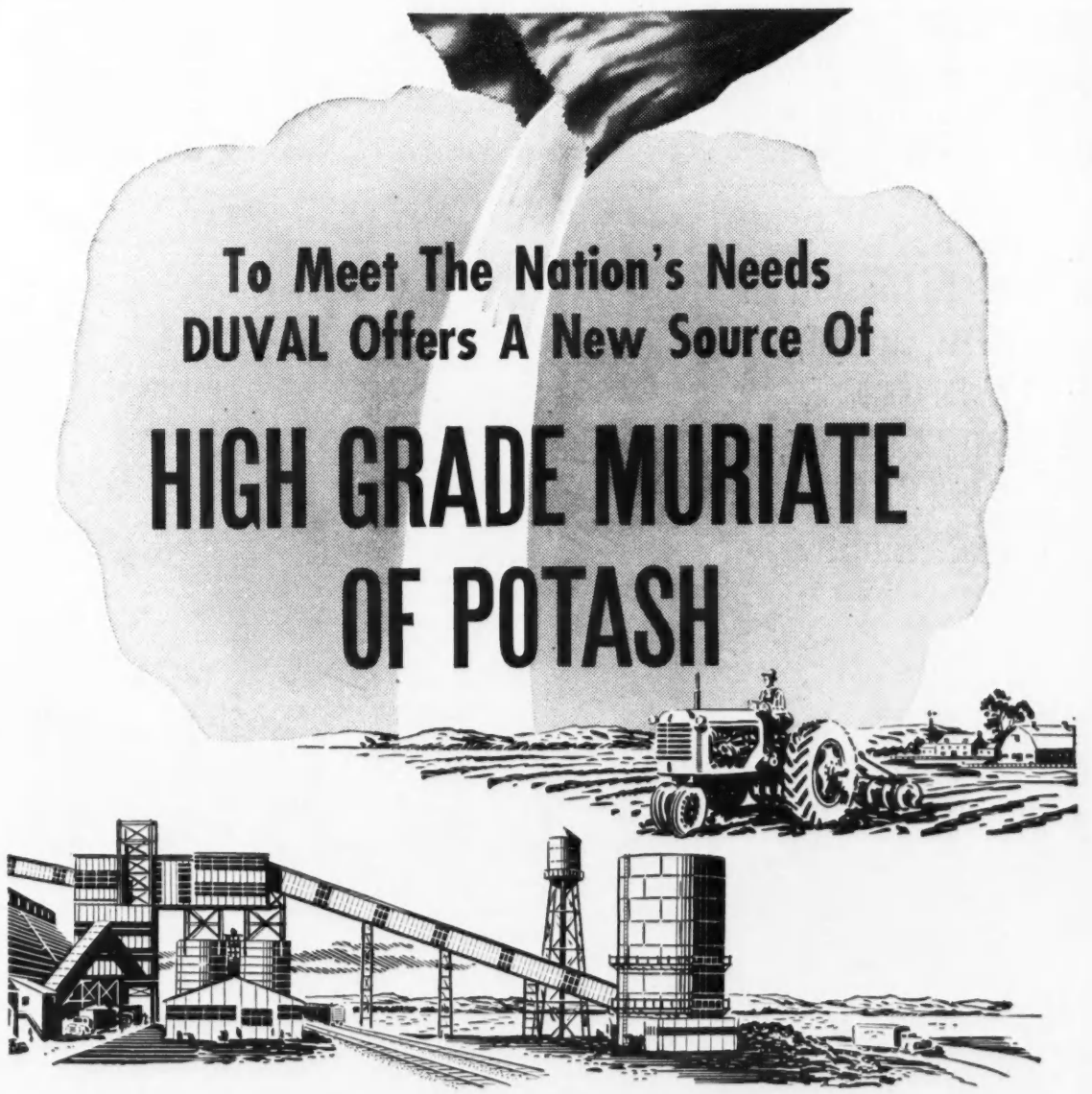
3
WAY
CONTROL
mining
refining
manufacturing
INTERNATIONAL POTASH CHEMICALS
International
At its mine...at its refinery...at its chemical plant, International maintains a constant control over the production of potash salts and the processing of potash chemicals for many industrial purposes.
It's an exclusive three-way-control which means greater precision in production all along the line and offers you the advantages of consistent uniformity and deliveries that will fit your schedules.
When you specify International potash chemicals, you can be sure of quality, of accuracy of specifications and of ample tonnages to satisfy your requirements.
Address Inquiries to Industrial Potash Department
20 North Wacker Drive, Chicago 6,
61 Broadway, New York 6.
potash chemicals Caustic Potash—All Standard Grades • Carbonate of Potash—All Standard Grades • Potassium Chloride—Refined and Technical Grades • Potassium Sulfate
MINERALS International CHEMICALS
potash division
INTERNATIONAL MINERALS & CHEMICAL CORPORATION
General Offices: 20 North Wacker Drive, Chicago 6

Pinkroot, bls	lb.	1.75	1.80
Piperazine hexahydrate, bots., French Codex	kilo.	8.00	8.50
Piperidine, 95%, dms., frt. equald.	lb	1.65	1.93
98% dms., same basis	lb	1.72	2.60
Piperonyl butoxide, dms., dlvd. E	lb	5.00	5.50
Cyclonene, dms., dlvd E	lb.	4.20	4.50
Pipsissawa herb (see Prince's pine)			
Pitch, burgundy, domestic, dms. mc., c.l., l.c.l., works 100 lbs.		10.09	10.54
Coaltar, 140°-150°F m.p., bbls., c.l., works	ton.	38.00	39.00
l.c.l., works	ton.	41.00	—
Cottonseed, dms., works	lb.	07½	.08
Hardwood, paper bgs., c.l., works	lb.	.02	—
Linseed, dms.	lb.	06½	.07
Petroleum (see Asphalt, petroleum).			
Pine, dms., inc. l.c.l., works, South 100 lbs.		7.50	—
Soybean, dms., works	lb.	05½	.06
Tall, dms., works	lb.	.05½	.06
Plaster of Paris (see Gypsum).			
Platinum metal works	oz.	90.00	93.00
Pleurisy root, bls	lb.	.45	.50
Podophyllium resin, NF, dms.	lb.	13.20	14.00
Pokeroot, bls	lb.	.18	.20
Polyoxyethylene sorbitan monostearate dms. 20,000 lbs., works	lb.	.43	—
10,000-20,000 lbs., works	lb.	.45	—
smaller lots, works	lb.	.48	.50
tristearate, dms., 20,000 lbs., works	lb.	.43	—
10,000-20,000 lbs., works	lb.	.45	—
smaller lots, works	lb.	.48	.50
Polystyrene, colors, special, bgs., over 30,000 lbs., frt. alld.	lb.	.35½	.36
10,000-19,999 lbs., same basis	lb.	.36	.36½
5,000-9,999 lbs., same basis,	lb.	.37½	.38
standard, bgs	lb.	.35½	.36
crystals, heat-resistant, bgs., c.l., l.c.l	lb.	.34	.34½
standard, bgs., c.l., l.c.l	lb.	.32½	.33
Polystyrene in non-returnable fiber dms., ½c. per lb. higher.			
Pomegranate root bark, bgs	lb.	60	.65
Poppy flowers, bgs	lb.	.60	.65
seed, Argentine, bgs	lb.	.14¼	.14½
Czech, bgs	lb.	.14½	.15
Dutch, bgs	lb.	.15½	.16
Polish, bgs, afloat	lb.	.15½	.16
Turkish, bgs	lb.	.14¼	.14½
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs.		10.00	—
l.c.l., works 100 lbs.		10.75	—
liquid, 45%, dms., c.l., works 100 lbs		4.625	—
l.c.l. works 100 lbs		5.125	—
tanks, works 100 lbs		4.30	—
solid, 90% dms., c.l., works 100 lbs		9.40	—
l.c.l., works 100 lbs.		10.15	—
regular, flake, 88-92%, dms., c.l., works 100 lbs.		8.50	—
l.c.l. works 100 lbs		9.25	—
liquid, 45% basis, dms., c.l., works 100 lbs.		3.875	—
l.c.l., same basis 100 lbs		4.65	—
tanks, same basis 100 lbs		3.55	—
solid, 88-92%, dms., c.l., works 100 lbs.		7.90	—
l.c.l., same basis, works 100 lbs.		8.65	—
Potassium abietate dms	lb.	.08	—
Acetate, NF, dms	lb.	.25	.36
Bicarbonate, USP gran., dms	lb.	.22	—
powd., dms	lb.	.24	—
Bichromate, bgs, c.l., works	lb.	.14½	.15
l.c.l., same basis	lb.	.14¾	.15½
Potassium bichromate in drums ¾c. higher			
Bitartrate (see Cream of tartar)			
Borate, gran., bgs., c.l., works, ton lots, ex whse	ton.	190.00	—
less ton lots, ex whse	ton.	233.00	—
Potassium borate in bbls. $24.50 per ton higher.	ton.	238.00	—
Bromate, bbls., 1,000 lbs. or more	lb.	.50	.52
25-200-lb. lots	lb	55	.57
Bromide USP cryst. gran., bbls., kgs	lb.	.34	—
Carbonate, tech., calcined, bbls., c.l., works 100 lbs.		8.25	—
l.c.l., same basis 100 lbs		9.30	—
hydrated, 83-85%, bbls., c.l., works—100 lbs.		6.75	—
l.c.l., works 100 lbs.		7.50	—
USP, gran., bbls., dms	lb.	.16½	.18
powd. bbls. dms	lb.	21	.23
Chlorate, cryst., dms., c.l., works,	lb.	.09¾	—
l.c.l., works	lb.	.10	.11
powd., dms., c.l., works	lb.	.10¼	—
l.c.l., works	lb.	.10¾	.11¾
export dms. 1 to 10 tons, works	lb.	.13	.13¾
NF gran. dms	lb	31	.33
Chloride, USP, cryst., dms	lb.	.26	.27
gran., dms	lb.	.20	.22
powd. dms	lb.	.29	.32
Chromate, tech. bgs	lb.	.32	.36
Citrate, USP, gran., dms.	lb.	.37½	.38½
powder dms	lb	40½	.41½
Cyanide, dms., works	lb.	.53	—
Fluoborate, fib. dms., c.l., works,	lb.	.26	—
l.c.l., works	lb.	.27	—
Fluoride dms. works	lb	24	—
Gluconate dms	lb.	73	.79
Glycerophosphate, 75% solution, chys	lb	2.15	2.25
Guaiacolsulphonate, NF, dms.	lb.	2.10	2.30
Hydroxide, tech. (see Potash caustic).			
USP, pellets 100 lb. dms., 1 to 100 dms	lb.	.31½	.36
Hypophosphite, NF, ton lots or less, fib dms	lb	1.00	1.03
Iodide, dms	lb	2.15	2.20
Manure salt, 22% K_2O, bulk, mines	unit-ton.	.21	—
Metabisulphite gran. bbls	lb	.21	—
powd. bbls	lb	25	—
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M	unit-ton.	.42	—
Trona, Cal	unit-ton.	.50½	—
50-51 K_2O, paper bgs., Carlsbad, N. M.	ton.	25.75	—
Nitrate (see Saltpeter).			
Oxalate, neutral, tech., fine gran., bbls., dms	lb.	.30	.32
purified dms	lb	.42	.44
Perchlorate, dms., c.l., works	lb.	.14	—
l.c.l. works	lb.	.14½	.15½
Permanagate, tech., dms., works,	lb.	.22½	.23½
USP dms. works	lb.	.24¾	.25¼
Persulphate, dms., c.l., works	lb.	.18	.19
l.c.l., works	lb.	.20	.22
Phosphate, tetrabasic, bbls., works,	lb.	13	13¾
Prussiate, red, kgs	lb.	.60	.63
yellow, dms. ton lots	lb.	22½	—
smaller quantities	lb.	.23	—
kegs	lb.	.28	—
Silicate, glass, bgs., c.l., works 100 lbs.		14.70	—
l.c.l. 100 lbs.		15.20	—
solution, 29° Be., ret. dms., c.l., works 100 lbs.		4.50	4.53
l.c.l., 5 dms. or more, works 100 lbs		5.25	6.30
30° Be. ret. dms., c.l., works, 100 lbs.		4.70	—
l.c.l., works 100 lbs		5.20	—

Potassium silicate, solut., 32.5° Be., ret. dms., c.l., works 100 lbs.		4.85	—
l.c.l., works 100 lbs		5.35	—
40° Be., ret., dms., c.l., works 100 lbs.		5.35	—
l.c.l., works 100 lbs		5.85	—
40.5° Be, ret. dms., c.l., works, 100 lbs.		6.00	6.75
l.c.l., 5 dms. or more, works 100 lbs.		6.75	7.50
1-4 dms. works 100 lbs.		7.25	7.90
Stannate, dms., frt. alld. E	lb.	.740	.796
Silicofluoride, bbls., works	lb.	.09½	.10
Sulphate, agricultural, 90-95% K_2SO_4, bulk works, basis 90%	ton	36.25	—
NF VII, cryst. dms	lb.	.31	.33
gran dms	lb	18½	—
powder, dms.	lb.	.19	—
Sulphocyanide, cryst., NF (see Potassium, thiocyanate).			
Thiocyanate, NF, chyst., dms	lb.	.82	1.08
tech., works	lb	.77	.79
Titanate, ctns., c.l., works	lb.	.12½	—
5 tons, works	lb.	.12¾	—
1 ton or less, works	lb.	.13	—
Potassium-magnesium sulphate bulk works basis 40% K_2SO_4, 18% MgO	ton.	16.00	—
Potassium-sodium tartrate (see Rochelle salt)			
Potassium-titanium fluoride, fib. dms., works	lb.	.33	.36
Potassium-titanium oxalate, bbls. cs.,	lb.	.85	.95
Potassium-zirconium fluoride, fib. dms., c.l., works	lb.	.50	—
l.c.l. works	lb.	.52½	.55
Pregnenolone, bots.	gm	1.50	1.75
Acetate, bots.	gm.	1.25	1.50

Prickly ash bark, bls.	lb.	.30	.35
Berries, bgs.	lb.	.70	.75
Prince's pine herb, bls.	lb.	.53	.60
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works	lb.	3.75	4.00
spot	lb.	4.00	4.50
Progesterone USP, 100 gms., bots	gm.	1.75	—
Propane commercial grade tanks group 3	gal.	.04	—
Propionaldehyde dms., 5,000 lbs. or more, custom contract	lb.	.60	—
Propyl aldehyde (see Propionaldehyde)			
Gallate, dms., ton lots to 100 lb. lots works	lb	3.90	4.40
Parahydroxybenzoate USP dms	lb	2.30	2.40
Propylene dichloride, dms., c.l.	lb.	.0845	.093
l.c.l.	lb.	.0950	.1050
tanks	lb	.07	.08
Oxide, dms., c.l., frt. alld. E	lb	19½	20½
l.c.l. frt alld E	lb	20½	21½
tanks, frt alld. E	lb.	17½	18½
Propyleneglycol USP dms., c.l., frt. alld. E	lb	20¼	21¼
l.c.l. same basis	lb.	21¼	22¼
tanks, same basis	lb.	18½	19½
tech., dms. c.l. frt. alld. E	lb.	19¼	21¼
l.c.l. same basis	lb.	20¼	22¼
tanks, same basis	lb.	17½	18½
Methylether, dms., c.l., frt. equald	lb.	19½	—
l.c.l., same basis	lb.	.21	—
tanks, same basis	lb.	.22	—
Propylthiouracil, bots. 50 kilos or more	kilo.	55 00	—
smaller lots	kilo.	55 10	55 30
Psyllium seed, black, bgs.	lb.	.27	.30
blonde, bgs	lb.	.19	.20
husks bgs	lb.	.50	.55

Pulsatilla herb, bls	lb.	.45	.55
Pumice, dom. grd. coarse, 0½, 1, 1½, 2, 3 bgs., ton lots.	lb.	03½	04
smaller lots	lb.	03½	04¼
Italian silk-screen, coarse, bgs., ton lots	lb.	05½	—
fine, bgs. ton lots	lb	04	—
sun dried coarse bgs., ton lots	lb	02½	—
fine bgs., ton lots	lb	02½	—
Pumice in bbls is ½c per lb higher.			
Pumpkin seed bgs	lb	18	28
Purple lake (see Red).			
Pyrethrum flowers, fine-grd., 0.9% pyrethrins bbls. works	lb.	50	—
powder, 1.3% pyrethrins, bbls., works	lb.	.71½	—
liquid (20 to 1) basis 2 grams pyrethrins per 100 cs. odorless basis, bbls., works	gal.	10.50	—
(30 to 1) basis 3 grams pyrethrins per 100 cc. odorless base, bbls., works	gal.	15.75	—
oleoresin dewaxed, 20%, for aerosol bombs, dms., works	lb.	11.00	12.00
Pyrethrin synthetic (see Allethrin)			
Pyridin, denaturing, dms., c.l., works, and frt equald	gal	2.67	—
l.c.l. same basis	gal	2.70	—
refd., 2° non ret dms., c.l., same basis	lb	89¼	1.04¼
l.c.l., same basis	lb.	.90	1.05
Pyridoxine hydrochloride, 100-gram bots	gram	55	—
Pyrites	long-ton	No prices.	
Pyrocatechol (see Catechol)			
Pyrogallol, NF	lb.	3.25	3.43



Duval Sulphur and Potash Company

Modern, New Plant and Refinery at Carlsbad, New Mexico

Address all communications to

ASHCRAFT-WILKINSON CO.

Exclusive Distributors

ATLANTA, GEORGIA
Cable Address ASHCRAFT

NORFOLK, VA. • CHARLESTON, S. C. • TAMPA, FLA. • GREENVILLE, MISS. • COLUMBUS, OHIO

Pyrophyllite—Santonin, NF

Pyrophyllite standard, 200 mesh, bulk, c.l., mines ton 12.50 - —
230 mesh, bulk, c.l. mines ton 13.50 - —
325 mesh, bulk, c.l. mines ton 16.75 - —
No. 3, 200 mesh, bulk, c.l., mines ton 11.00 - —
insecticide grade, 200 mesh, bgs., c.l., mines ton 13.50 -14.00
rubber grade, 140 mesh, bgs., c.l., mines ton 13.50 - —
Standard and No. 3 pyrophyllite in paper bgs., $3 to $3.50 per ton extra.

Pyroxylin, USP, bots lb. 9.59 - —
Scrap, opaque amber, cs., works lb .22 - —
black, cs., works lb .16 - —
mixed, mottled, cs., works lb .15 - —
white, china, ivory, cs., works, lb. .17 - —
dense, cs., works lb .17 - —
translucent, pastels, cs., works, lb .18 - —
transparent, colorless, cs., works, lb .23 - —
colors, cs., works lb 17 - —
shavings, opaque, amber, cs., works lb .18 - —
mixed, colors, cs., works lb .17 - —

Q

Quassia chips, bls lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin bgs. c.l., lb. .16½- .16¾
liquid, 35% tannin, bbls., works, tanks, same basis lb. .08¼- —
Quebracho extract, solid, clarif., 64% tannin, bgs., c.l., exdock, duty extra lb. .12⅞- —
ordinary, 63% tannin, bgs., c.l., same basis lb. .11 31/64
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .20 - .25
Quercitron crystals, No. 1, bbls., l.c.l. lb. .40 - —
Extract, No. 1, liquid, bbls. l.c.l., lb. .19 - —
Quicksilver, flasks (75 lbs. net) flask 207.00 -208.00
Quince seed, bgs lb. .80 - 1.50
Quinidine, NF V cryst., cns., 100-oz. lots oz. 1.90 - —
powd., precip., cns. 100-oz. lots oz. 1.85 - —
Sulphate, USP, cns., 100-oz. lots oz. 1.25 - —
Quinine, NF cns., 100 ozs. oz. .70 - —
Bisulphate USP cns., 100 ozs oz. .51 - —
Dihydrochloride, USP, cns oz. .70 - .72
Ethylcarbonate, NF cns., 100 ozs. oz. .75 - —
Hydrobromide NF cns. 50-oz cns. oz. .63 - —
Hydrochloride, USP, cns., 100 ozs. oz. .63 - —
Phosphate, NF, cns., 100 ozs oz. .76 - —
Salicylate NF, ctns, 100 ozs oz .66 - —
Sulphate, USP, cns., 100 ozs oz. .56½- —
Quinine and Urea hydrochloride, NF, cans oz. .68 - —
Quinolin, ref. dms. c.l., frt. equald. lb. .60¾- —
l.c.l., same basis lb. .61¼- —
tanks, same basis lb. .60 - —

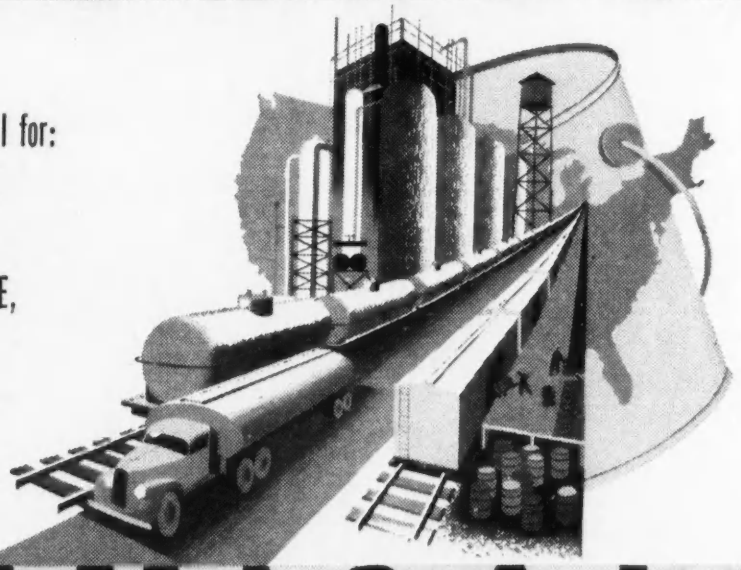
R

R salt, paste, dry basis dms., frt. alld lb. .87 —
Raspberries, dried, bbls lb. 1.25 1.30
Red, BON, arylid, deep shades, bbls. lb. 3.60 - —
light, medium shades, bbls. lb. 2.75 - —
maroons, pure, bbls lb 1.75 - —
resinated, bbls lb. 1.50 - —
Cadmium, CP, dark shade, bbls., frt. alld E. of Rockies lb 4.60 - —
light shade, bbls, same basis lb 4.20 - —
medium shade, bbls., same basis lb 4.50 - —
medium-light shade, bbls., same basis lb 4.30 - —
orange shade, bbls., same basis lb 3.80 - —
lithopone, deep shade, bbls., same basis lb 1.85 1.90
light shade, bbls., same basis, lb 1.75 —
maroon shade, bbls., same basis lb 2.00 2.10
medium shade bbls., same basis lb 1.85 - —
medium-light shade, bbls., same basis lb 1.80 - —
orange-red shade, bbls., same basis lb 1.70 - —
Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb higher ex whse. Los Angeles and San Francisco.
Carmine No. 40 (see Carmine).
Crocus martis (see Red, maroon (iron oxide).
Dyes (see Dyes, coaltar).
Red, rosin toner, bbls., works lb. 1.60 - —
Indian, dom., pure, bgs., Bethlehem Easton, E. St. Louis, N Y lb. .12½ —
Iron oxide, synth., bgs lb. .12¼- .12½
75%-85% copperas oxide bgs., l.c.l., Bethlehem Pa. Copley, O.; Easton Pa.; E. St. Louis lb 05¼ 09¼
special high color all shades, bgs lb. .60 —
Lake C, toner, alizarin, bbls., works lb. 1.10 1.20
Lithol toner, bbls. works lb .85 —
rubin toner, resinated, bbls., works lb. 1.40 - —
pure, bbls., works lb 1.50 - —
Virginia, bbls., works lb 1.40 - —
Maroon, toner, BON arylid, dlvd lb 3.60 - —
Cadmium, deep, bbls. works lb 1.20 - —
regular, bbls., works lb 1.10 - —
MNPI toner, bgs. works lb 3.60 - —
Maroons in smaller pkgs 5c per lb higher.
Mercury oxide, tech., bbls., 10,000 lbs. works lb 4.22 - —
smaller lots, works lb 4.24 - —
Metallic, bbls. works lb .02½- .02¾
Oxide (see Red iron oxides.
Persian (all ages works lb .08¾ 09
Para toner, bbls lb .85 —
Chlorinated, kgs lb. 1.10 - 1.15
Phloxin toner (see Red eosin toner).
Rhodamine, molybdated, PMA, kegs lb 4.90 —
tungstated, PTMA works, kegs lb. 5.10 - —
Spanish, oxide, bbls., c.l., ex dock lb. .05¾- —
l.c.l., ex dock lb. .06 - —
ex whse., New York lb 06½- —
Toluidin toner, deep shades, kgs., works lb. 1.45 - —
light shades, kegs, works lb. 1.45 - —
Turkey, bbls., works lb. .14½- —
Tuscan, bbls. frt equald lb .24½ .25
Venetian, 15%, bgs., works lb. .0350- .0375
20% bgs., works lb. .04 - —
25% bgs., works lb. .0450- —
30% bgs., works lb. .0475- —
35% bgs., works lb. .05 - —
40% bgs., works lb. .0525- —
Vermilion, Amer., bbls lb .32 - —
Quicksilver, ctns lb. 3.72 - —
Watchung bbls lb 1.95 - —
Red KB base (see Chloro (4)-2-toluidine).
Red precipitate, NF, powd., fib, dms lb. 4.37 - 4.41
Red saunders wood powd bbls lb 50 —
Rennin, NF, powder lb 6.25 - —
Resorcinol, tech., grade, dms., c.l., works lb. .82½- —
l.c.l., works lb. .83½- —
USP, cryst., dms., works lb 2.75 - —
powd., dms., works lb. 2.95 - —
Resorcinol, monoacetate, NF, dms., lb. 3.25 3.45
Rhatany root, bgs lb 15 .16
Rhodinol, 5-lb. cans lb. 40.00 -56.00
Rhubarb root, China whole, cs lb. .70 - 1.25
powd., bbls. lb. .75 - 1.50
India, whole, bgs lb. .30 - .35
powdered, bbls lb. .35 - .40
Riboflavin USP, bots., dlvd kilo 125.00 —
Readily soluble bots. dlvd kilo 125.00 —
Rice bran concentrate dms., Cedartown, Ga lb. 79 - —
Rochelle salt USP, gran., powd., dms., 5,000 lbs lb. .37½- —
smaller lots lb. .38 - .43
Rose flowers, pale, bls lb. .45 - .50
Rosemary flowers bls lb 1.55 1.65
Leaves, French, bls lb. .10½- .11
Portuguese, bls lb. .07 - .07½
Spanish, bls lb. .08 .08½
Rosin gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 4.00 - —
FF, dms., c.l., works 100 lbs. 7.30 - —
G, H, I, dms., c.l., works 100 lbs. 7.60 - —
K, dms., c.l., works 100 lbs. 7.60 - —
M, dms., c.l., works 100 lbs. 7.60 - —
N, dms., c.l., works 100 lbs. 7.70 - —
WG, dms., c.l., works 100 lbs. 8.15 - —
WW, dms., c.l., works 100 lbs. 8.40 - —
X, dms., c.l., works 100 lbs. 8.50 - —
Rotenone (see nons, works lb 20.00 —
tech., bbls works lb. 16.50 —
Rottenstone, bgs., c.l., mines ton 40.00 - —
l.c.l., mines ton 48.00 - —
Rue herb, bls lb .35 .40
Rutin, 10 kilos, fib dms gram. .03 .04
smaller lots, fib, dms gram. .03 - .04
Ryania 100% powd., bgs., works lb. .20 —

S

Sabadilla seed, powd., bbls lb. 73 —
activated ground with lime, bbls lb. .45 .50
Saccharin, USP gran., soluble, dms., 1,000-lb. lots lb 1.60 —
smaller lots lb. 1.70 1.80
powd., soluble, insoluble, dms., 1,000-lb. lots lb 1.65 —
smaller lots lb. 1.75 1.95
Safflower, Egyptian bls lb 65 70
Saffron, Mexican, bls lb. .90 - .95
Spanish, USP, tins lb. 24.00 -27.00
Safrol, dms lb. 1.05 - 1.75
Sage, Cretan, bls lb .13 - .13¼
Cyprus, bls. lb. .08 - .09
Dalmatian, bls lb. .59 - .60
Greek, fancy, bls lb. No stocks.
Officinalis, Italian, bls lb. .29 - .30
Greek, bls. lb. .13 - .13½
Spanish, bls., stemless lb. .12 - .12½
Syrian, bls. lb. .13 - .13½
Turkish, bls lb. .12 - .12½
Sago flour, refined, bgs lb. .09 - .09¼
unrefined, bgs. lb. .0735- .0775
Sal soda (see Soda sals.
Saligenin, ctns lb 14.00 25.00
Salol, NF, gran., bbls., kgs. lb. 1.05 —
tn. dms. lb. 1.07 1.08
powdered salol, 10c. higher.
Salt, rock, burlap bgs., c.l., works, 100 lbs. 1.09 —
l.c.l. 100 lbs. 1.30 —
paper bgs., c.l 100 lbs. .94 —
l.c.l. 100 lbs. 1.15 —
Table, vacuum, common, fine, bgs., c.l., works 100 lbs. 1.09 —
l.c.l., works 100 lbs. 1.20 —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton 17.00 —
Saltpeter, cryst., bbls., 10 tons 100 lbs. 14.40 - —
smaller lots 100 lbs. 14.65 -14.90
powd., bbls., 20 tons 100 lbs. 10.75 - —
smaller lots 100 lbs. 12.00 -12.50
gran., bbls., 20 tons 100 lbs. 9.75 - —
smaller lots 100 lbs. 11.10 -11.50
NF, gran., dms lb. .09¾- .17¾
Saltpeter in bags, 50c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sandalwood chips, East Indies, bgs., lb. 65 66
powd dms lb 75 76
Sangumarine nitrate, bots oz. 4.75 - 5.50
Santonin, NF., dom. dms., cryst., powd., cns lb. 300.00 325.00 Nom.
imported, cryst., powd., cns kilo. No prices.

REICHHOLD



Have You Checked RCI for:
PHENOL, GLYCERINE,
MALEIC ANHYDRIDE,
PHTHALIC ANHYDRIDE,
SODIUM SULFATE,
SODIUM SULFITE?

CHEMICALS

● In order to assure a steady supply of top quality raw materials to its many plants all over the world, Reichhold has developed its own facilities for producing the basic chemicals listed above. Thanks to modern production methods and equipment plus a far-sighted expansion program, Reichhold has become a major producer of these vital chemicals . . . frequently able to share its production with other industries. If you need phenol, glycerine, maleic anhydride, phthalic anhydride, sodium sulfate or sodium sulfite, keep in touch with Reichhold. For current availabilities, write, wire or phone the Chemical Department.

See "America's Town Meeting" on TV every Sunday on ABC presented by Reichhold as a public service.

REICHHOLD CHEMICALS, INCORPORATED
630 Fifth Avenue, New York 20, New York

RCI 'Round the World to Serve you Better

Plants: Detroit, Michigan · Brooklyn, N. Y. · Elizabeth, N. J. · South San Francisco and Azusa, Calif. · Chicago, Ill. Tuscaloosa, Alabama · Seattle, Wash. · Charlotte, N. C. · Liverpool, England · Paris, France · Naples, Italy Sydney, Australia · Hamburg, Germany · East London, South Africa · Barcelona, Spain · Werndorf, Austria Buenos Aires, Argentina · São Paulo, Brazil · Sassenheim and Apeldoorn, Holland · Gothenburg, Sweden Toronto, Port Moody, and Montreal, Canada · Osaka, Japan · Zurich, Switzerland

Saponin No. 1, 100-lb. dm	lb.	2.75 -	—
Sarsaparilla root, dom., bls	lb	.45 -	.50
Honduras, bls	lb.	.38 -	.40
Mexican, bls	lb.	.22 -	.25
Sassafras bark, ord bls	lb.	.35 -	.40
select, bls	lb.	.60 -	.65
Savory, French, bls	lb.	.15½-	.16
Spanish, bls	lb	.08½ -	.09
Saw palmetto berries bgs.	lb	.30 -	.35
Scammony resin lump cns	lb	1.95 -	2.10
powd. cns	lb	2.05 -	2.30
Root, bgs	lb	.10 -	.14
Schaeffers salt, paste, dms., frt. alld.	lb.	.77 -	—
powder, bgs., frt. alld	lb	.80 -	—
Scopolamine hydrobromide, bots.	oz.	17.60 -	18.30
Hydrochloride USP bots	oz	84.00 -	—
Seidlitz mixture bbls. 5,000 lbs	lb	30½-	—
smaller lots	lb.	.31 -	.32
Selenium powd. dms. dlvd	lb	3.25 -	—
Senega root, bls	lb.	2.45 -	2.50
Senna leaf Alex. half-leaf, bls	lb	.18 -	.20
sifting, bgs	lb	.14 -	.18
Tinnevelly, No. 1, bls	lb.	.21 -	.22
No. 2, bls	lb	.19 -	.21
No. 3, bls	lb	.16 -	.19
powdered, bls. oxs	lb	.20 -	.24
Pods, bls	lb.	.40 -	.50
Serpentaria root, bls	lb.	3.00 -	Nom.
Sesame seed Indian white hulled, bgs	lb.	No stocks.	
natural bgs	lb	.18 -	18½
Nicaragua, hulled, bgs	lb.	.23 -	.30
natural, bgs.	lb.	.15½-	.16
Turkish, bgs	lb	.15 -	.15½
Shaeffer's salt, bgs. frt alld	lb	.80 -	—
Shellac, bleached bonedry, bgs., 1,500-lb. lots	lb.	.54½-	—
bbls. 1,500-lb. lots	lb.	.55½-	—
kgs., 1,500-lb. lots	lb.	.57½-	—
refined, bgs., 1,500-lb. lots	lb.	.64½-	—
bbls., 1,500-lb. lots	lb.	.65½-	—
kgs., 1,500-lb. lots	lb.	.67½-	—

Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.

Lemon, No. 1, bgs	lb.	.44 -	.49
No. 2, bgs	lb.	.41 -	.47
Superfine, bgs, 10 bgs	lb.	.40 -	.42
TN, bgs, 10 bgs	lb.	.39 -	.41

Shellac in 1 to 9 bgs., 1c. more.

Silica, amorph dry grd. 325 mesh bgs. c.l., lil., works	ton	25.00 -	—
l.c.l., works	ton	30.00 -	40.00
hard quartz, 99½%, 325 mesh, bgs., c.l., works	ton	20.00 -	—
l.c.l., works	ton	25.00 -	30.00
140 mesh bgs. c.l., works	ton	15.00 -	—
l.c.l., works	ton	20.00 -	—
Tetrachloride, tech., dms., c.l., works	lb.	.18 -	—
l.c.l., works	lb.	.20 -	.28½
Silver bullion, ingots, cs	oz.	.88 -	—
Cyanide, 6b dms., 2,500-oz. lots	oz.	.79½-	—
1,000-oz. lots	oz.	.79⅝-	—
500-oz. lots	oz.	.79⅝-	—
100-oz. lots	oz.	.79⅞-	—
Nitrate, CP, cryst., bots., 2,500-oz. lots	oz.	.56⅜-	—
1,000-oz. lots	oz.	.57⅜-	—
500 oz. lots	oz.	.58⅜-	—
250-oz. lots	oz.	.58⅞-	—

USP granular silver nitrate, 4c. per oz higher

Proteinate, mild, USP, bots., dms., 1,000-oz. lots	oz.	1.05 -	—
strong NF bots., dms., 1,000-oz. lots	oz.	1.00 -	—
Simaruba bark, bls	lb.	.90	Nom.
Skullcap herb, Eastern, bls	lb.	.50 -	.65
Western bls	lb.	.30 -	35
Skunk cabbage root, bls	lb.	.35	Nom.
Slate flour, bgs., c.l., works	ton	11.00 -	12.00
l.c.l., ex whse	ton	20.00 -	60.00
Sloe berries bgs	lb.	.24 -	.28
Smalt, black, ctns	lb.	.15 -	—
Blue, ctns	lb.	.18 -	—
Snakeroot, Canada, bls	lb	.75 -	.80
Soapbark, bls	lb.	.27 -	.31
crushed bls. bbls	lb	.32 -	.35
powd., bbls	lb.	.35 -	.37
Soda ash dense 58%, paper bgs., c.l., works 100 lbs		1.60 -	—
l.c.l. stock points 100 lbs		2.85 -	4.02
bbls., c.l., works 100 lbs		2.15 -	—
l.c.l. stock points 100 lbs		3.35 -	4.12
bulk c.l. works 100 lbs		1.30 -	—
light, 58%, paper bgs., c.l., works 100 lbs		1.50 -	—
l.c.l. stock points 100 lbs		2.75 -	4.52
bbls., c.l., works 100 lbs		2.05 -	—
l.c.l. stock points 100 lbs		3.25 -	5.02
bulk, c.l., works 100 lbs		1.20 -	—
Soda, caustic, flake, powd., 76%, c.l., works 100 lbs.		3.75 -	—
l.c.l. stock points 100 lbs		4.95 -	6.77
liquid, 50%, sellers' tanks, works, dry basis 100 lbs		2.55 -	—
rayon-type, tanks, works, dry basis 100 lbs.		2.65 -	—
70% sellers tanks, works, dry basis 100 lbs.		2.65 -	—
rayon-type, tanks, works, dry basis 100 lbs		2.75 -	—
solid, 76%, dms., c.l., works, 100 lbs.		3.35 -	—
l.c.l. stock points 100 lbs		4.55 -	5.05
Sal bgs. c.l. works 100 lbs		1.40 -	—
l.c.l., works 100 lbs.		1.70 -	—
Soda-lime USP dms	lb	23 -	.25
Sodium acetate, anhyd., bgs., c.l., works	lb.	.12 -	—
l.c.l., dms.	lb.	.12¾-	—
NF, gran. dms. works	lb.	.16 -	—
Alginate, refined, water-soluble, bbls., works	lb.	.83 -	—
semi-refined bbls. works	lb.	.54 -	—
NF white powd. dms. works, ton lots	lb	1.40 -	—
smaller lots	lb	1.55 -	1.65
Aluminate, bgs., 29,000 lbs. or more 100 lbs.		8.50 -	—
smaller lots 100 lbs		9.50 -	—
Antimoniate, bbls., c.l., dlvd. E	lb.	.40½-	—
l.c.l., dlvd.	lb.	.41½-	—
Arsenate, dms., c.l., works	lb.	.12½-	—
l.c.l., dms., works	lb.	.13⅜-	.14¾
Arsenite, dms., c.l., works	lb.	.13½-	—
l.c.l., dms., works	lb.	.14¼-	.15¼
solution dms works	gal.	70	1.10
Benzoate, tech., bbls., dms., 100 lbs. or more	lb.	.37½-	.39
USP, bbls., dms., 100 lbs. or more	lb.	.44½-	.46
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs.		2.50 -	—
l.c.l. works 100 lbs		3.15 -	—
powd., bgs., c.l., works 100 lbs.		2.10 -	—
l.c.l., works 100 lbs.		2.75 -	—
Bichromate, bgs., c.l., works	lb.	.11 -	—
l.c.l., same basis	lb.	.11¼-	.12
Bifluoride, bbls., c.l., works, frt. equald	lb.	.1375-	—
l.c.l., same basis	lb.	.1415-	—
Bisulphate, bulk, c.l., works, 100 lbs.		2.00 -	—
dms., c.l., works 100 lbs		2.65 -	3.85
l.c.l. works 100 lbs.		3.05 -	3.65
Bisulphite, powd., bgs., c.l., works, 100 lbs.		3.90 -	—
l.c.l., works 100 lbs.		4.15 -	—
solut. 35° bbls., c.l., works 100 lbs.		1.40 -	—
l.c.l. works 100 lbs.		1.80 -	4.30

Borate (see Borax).

Sodium bromide, USP, bbls., kgs., works	lb.	.34 -	.35
Cacodylate, NF, jars, dms	lb.	7.00 -	9.00

Carbonate, anhydrous (see Soda ash), crystalline, decahydrated (see Soda sal), monohydrated, bgs. c.l., works 100 lbs 2.65 - —; l.c.l. works 100 lbs 3.05 - —

Chlorate, cryst., dms., c.l., works	lb.	.08¼-	—
l.c.l., works	lb.	.08¾-	.09¼
Chloride, tech (see Salt), USP dms	lb	21 -	—
Chlorite tech. dms. works	lb.	75 -	—
Chloroacetate, tech. dms., c.l., works	lb.	24 -	—
l.c.l. dms. works	lb.	25 -	.26
Chromate, dms., c.l., works	lb.	.12¾-	—
l.c.l., same basis	lb.	13 -	.13¾
Citrate, anhyd., dms	lb.	.60 -	.65
USP VIII, gran., dms	lb.	.22½-	.29½
USP XIV, gran., dms	lb.	.28 -	.32

Sodium citrate USP powd prices ½c higher

Cyanate dms. 1,000 lbs., works	lb.	.85	1.10
smaller lots, works	lb	1.00	1.25
Cyanide, 96-98%, dms	lb.	.168 -	.183
Diacetate 33-35% acidity, c.l., 250 lb. dms., works	lb.	.14 -	—
l.c.l., dms.	lb.	.14¾ -	—
anhydrous, dms., works.	lb.	.17 -	—
l.c.l., dms.	lb.	.17¾-	—
Fluoride, white, 90%, bbls., c.l., works	lb.	.11 -	—
l.c.l., works	lb.	.1140-	—
95%, bbls., c.l., works	lb.	.1125-	—
l.c.l., works	lb.	.1165-	—

Sodium fluoracetate, monobasic, 8-oz. tins, 30 to a case, works	lb.	12.00 -	—
2 to 45 tins to case works	lb	12.00 -	16.50
1 oz tins 16 to 64 to case, works	lb.	16.50 -	21.00
tribasic ton lots	lb	11.00 -	—
Formate, bgs., c.l., dlvd 100 lbs.		7.10 -	—
l.c.l. 100 lbs.		8.15 -	8.45
Gentisate, 100-lb. fib. dms	lb.	8.50 -	—
Gluconate dms	lb.	.83	85
Glutamate, monobasic, dms., c.l., dlvd	lb.	1.66 -	—
smaller lots dlvd	lb.	1.67	1.69
Glycerophosphate NF cryst., bbls.	lb.	1.80	1.95
powder bbls	lb	1.85	2.30
solution 75% cavs	lb	1.06	1.21
Hydride, dms., works	lb.	2.40 -	3.00

Hydrosulphide (see Sodium sulphydrate).

Hydrosulphite dms., c.l., frt. alld	lb.	.24½-	—
l.c.l., frt. alld	lb.	.25 -	—

Hydroxide, tech. (see Soda caustic), NF, pellets, 100 lb. dms., 1 to 100 dms | lb. | .21½ | .26

Hypophosphite, NF, ton lots or less, dms.	lb.	.95 -	.98
Hyposulphite tech. bgs. works, 100 lbs		4.00 -	—
l.c.l., same basis 100 lbs		4.40	6.90
photo grade, bgs., c.l., works 100 lbs.		4.00	4.25
l.c.l. same basis 100 lbs		4.40	7.15
pea crystals, bgs 100 lbs.		4.50 -	—
gran., bgs., c.l., works 100 lbs.		5.00 -	—

Sodium hyposulphite crystals in bbls 50c. higher.

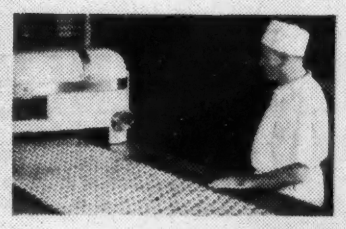
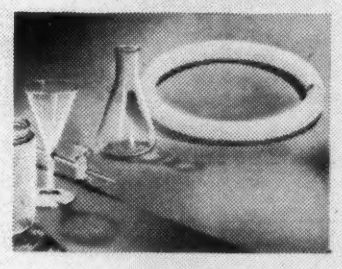
NF (see Sodium thiosulphate).

Saponin—Sodium Naphthionate

Sodium iodide, USP, bots., dms	lb.	2.69 -	—
Lactate, edible, 50%, dms., cbys., works	lb.	.21½-	—
60% dms., cbys., works	lb.	.26½	—
tech. 50% dms., cbys. works,	lb.	16½-	—
Laurylsulphate, dms. c.l., dlvd	lb.	.27 -	—
l.c.l., dlvd	lb.	.28 -	—
tanks, dlvd	lb	.25 -	—
Metaborate octahydrate, gran., bgs., c.l., works	ton	78.50 -	—
l.c.l. ex whse	ton	124.50	129.50
tetrahydrate, c.l. bbls. works,	ton	199.50 -	—

Sodium metaborate, octahydrate in bbls., $24.50 per ton higher.

Metal, tanks, works	lb.	.16 -	—
bricks, dms., works	lb.	.17 -	.19
Metanilate bbls, frt alld	lb.	.62	—
Metasilicate, anhyd., bgs., c.l., works 100 lbs.		4.60 -	—
l.c.l. works 100 lbs		6.10	—
dms., c.l 100 lbs		4.95 -	—
l.c.l 100 lbs		6.45	—
pentahydrate, bgs., c.l., works, frt. equald 100 lbs		4.00	—
l.c.l. bgs. works 100 lbs		4.40	6.90
bbls., c.l., works 100 lbs		4.80	—
l.c.l. works 100 lbs		5.20	—
Molybdate, crystals, bbls., works.	lb.	.75	.85
powd., anhy., dms., works	lb.	1.05	1.06
Monohydrate (see Sodium carbonate, monohydrated).			
Naphthionate, bbls	lb	.70 -	—

DO YOU NEED...

AMMONIUM CHLORIDE

AMMONIUM BICARBONATE

POTASSIUM CARBONATE

CAUSTIC POTASH

SODIUM NITRITE U.S.P.

See Solvay First

For the dependable quality and uniformity of America's oldest and largest producer of alkalies and associated chemicals.

For delivery service from a strategically-located major plant and local stock points.

For a Technical Service that is operated on an industry-wise basis . . . providing expert advice to individual industries.

For a sales service that is handled by a staff of thoroughly trained, helpful salesmen operating from thirteen convenient branch sales offices . . . plus a nation-wide organization of selected jobbers, distributors and dealers.

SOLVAY SALES DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.

BRANCH SALES OFFICES:
Boston • Charlotte • Chicago • Cincinnati • Cleveland • Detroit • Houston
New Orleans • New York • Philadelphia • Pittsburgh • St. Louis • Syracuse

SOLVAY
Alkalies Chemicals
Since 1881

Soda Ash
Caustic Soda
Chlorine
Ammonium Chloride
Ammonium Bicarbonate
Caustic Potash
Potassium Carbonate
Sodium Nitrite
Calcium Chloride

Sodium Bicarbonate
Nytron
Para-dichlorobenzene
Ortho-dichlorobenzene
Monochlorobenzene
Specialty Cleansers
Methanol
Formaldehyde

Sodium Nitrate—Streptomycin

Sodium nitrate, crude, bgs., c.l., works ton 51.00 - —
bulk, c.l., works ton 47.50 - —
imp. 100-lb. bgs., c.l., Atl., Gulf, Pac. whse ton 57.00 - —
bulk, c.l., same basis ton 53.50 - —
Nitrite, bbls., c.l., works, frt. equald lb. .07¼- —
l.c.l., same basis lb. .08¾- —
USP gran. dms lb .17 - —
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 6.00 - —
l.c.l. works 100 lbs. 7.60 - —
hydrated, flake, bbls., c.l., works 100 lbs. 4.75 - —
l.c.l., works 100 lbs. 5.50 - —
Oxalate, neut., bgs., works lb. 10½- —
Para-aminobenzoate, dms., 1,000 lbs. or more lb. 3.00 - 3.25
smaller lots lb. 3.25 - 4.00
Para-aminosalicylate, dms., 1,000-lb lots, frt. adjusted lb. 4.25 - —
smaller lots, same basis lb. 4.30 - 4.75
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .25½- —
l.c.l., same basis lb. .26½- .28¼
pellets, bgs., c.l., same basis lb. .25 - —
l.c.l., same basis lb. .26 - .28
powd., bgs., c.l., same basis lb. .24 - —
l.c.l., same basis .25 - .27
Truckloads of pentachlorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.

Sodium perborate, USP, tech., bbls., c.l., works lb. .193 - —
l.c.l., works lb. .198 - —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .1860- —
l.c.l., same basis lb. .1910- .2010
Phenolsulphonate, USP IX, gran., dms lb. .44 - .45
powd., dms lb. .47 - .48
Phosphate, dibasic, anhyd., bgs., c.l., works 100 lbs. 7.25 - —
l.c.l., works 100 lbs. 7.65 - —
USP, dried powd., bgs., dms., works lb. .19 - .20½
duohydrate, bgs., c.l., works, 100 lbs. 6.65 - —
l.c.l., works 100 lbs. 7.05 - —
monobasic, anhyd., bgs., c.l., works 100 lbs. 8.05 - 8.30
l.c.l., works 100 lbs. 8.45 - 8.70
tribasic, cryst., bgs., c.l., works, frt. equald 100 lbs. 4.05 - 5.30
l.c.l., same basis 100 lbs. 4.45 - 8.20
Sodium phosphates in obls. 40c. higher than bgs.
Prussiate, yellow, bgs., 10-ton lots. lb. .13¼- —
smaller lots lb. .14 - —
Pyrophosphate acid, bgs., c.l., works, frt. equald 100 lbs. 10.00 -10.75
ferric, dms. 1,500 lbs. works. lb. .40 - —
smaller lots, works lb. .42 - —
tetrabasic, anhy., bgs., c.l., works, frt. equald 100 lbs. 7.40 - 7.50
l.c.l., frt. equald 100 lbs. 7.80 - 7.90
Salicylate, USP, dms lb. .63 - —

Sodium sesquicarbonate, bgs., c.l., works 100 lbs. 2.10 - —
l.c.l., dlvd. zone 1 100 lbs. 3.85 4.25
zone 2 100 lbs. 4.11 4.51
zone 3 100 lbs. 4.40 4.70
zone 4 100 lbs. 5.11 5.50

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex. E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., in which there are special county zones; Davenport, Ia. and St. Louis; (2) Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98° N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96° Kan. Neb. W. of 98°; N. D., Okla., S. D., Tex. W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo. and El Paso, Tex.

bbls., c.l., works 100 lbs. 2.45 - —
Sesquisilicate, anhy., dms., c.l., works 100 lbs. 5.50 - —
l.c.l. works 100 lbs. 7.00 - —
Silicate, liquid, 40° turbid., dms., c.l., works 100 lbs. 1.30 - —
l.c.l. works 100 lbs. 1.60 1.85
tanks, works ton 19.00 —
52°, turbid., dms., c.l., works. 100 lbs. 2.20 - —
l.c.l., works 100 lbs. 2.50 2.75
tanks, works ton 37.00 —
solid, bgs., works ton 55.00 —
Silicofluoride, bgs., c.l., works lb. .070 - —
l.c.l., works lb. .075 - .079
Stannate, dms., works, frt. alld. E lb. .660 - .716
Stearate, tech., dms., works lb. .43 - .44
USP, dms., works lb. .70 - .75

Sodium sulphanilate, bbls., works lb. .22 - —
Sulphate, NF VII, dried, gran., dms lb. .22½- —
tech. anhyd. bgs. c.l. works. 100 lbs. 2.00 - —
l.c.l., works 100 lbs. 2.35 2.60
cryst. (see Glauber's salt)
rayon grd., bgs., c.l., works ton 27.00 - —
l.c.l., works ton 33.00 - —
USP, cryst., fib. dms. lb. .17½- .18
gran., fib. dms. lb. .17½- .18
Sulphide flake, bbls. c.l. works. E., frt. equald ton 100.00 - —
l.c.l., same basis ton 108.00 - —
fused, bbls. c.l. works, E. frt equald ton 88.50 - —
l.c.l., same basis ton 98.50 - —
Sulphite anhyd., bgs., c.l., works 100 lbs. 2.73 - —
l.c.l., same basis 100 lbs 3.33 5.58
regular, cryst., bgs., c.l., works 100 lbs. 4.80 - —
l.c.l., same basis 100 lbs. 5.20 6.45
powder, bbls., c.l., works 100 lbs. 6.75 - —
l.c.l., works 100 lbs 7.25 —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls lb. No prices.
Sulphydrate, flake, 70-72%, dms., works, c.l ton 115.00 - —
l.c.l., works ton 125.00 - —
liquid 36-40% basis 100% tanks, works ton 100.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works lb. .03¼- —
l.c.l., works lb. .03¾- —
Thiocyanate, CP, dms lb. .55 .65
tech. dms. works lb. 30 —
Thiosulphate, NF, cryst., bbls lb. .12½- —
tech (see Sodium hyposulphite).
Titanate, ctns., c.l., works lb. .10½- —
5 tons, works lb. .10¾- —
1 ton or less, works lb .11 - —
Trichloroacetate, 90%, 100 lb dms., c.l., frt. alld., E lb. .37½- —
l.c.l. frt. adjusted, E lb. .39½- —
50 lb. dms., c.l., frt. alld., E lb. .38 - —
l.c.l., frt. adjusted, E lb. .40 - —
10 lb. cns., c.l., frt. alld., E lb. .44 - —
l.c.l., frt. adjusted, E lb. .46 - —
Prices West of the Rockies are 1¾c. per pound higher.
Tripolyphosphate, bgs. c.l. works, frt. equald 100 lbs. 7.75 8.00
l.c.l., same basis 100 lbs. 8.15 8.40
Tungstate, tech., kgs., dlvd. E lb. 3.15 - —
Sodium ammonium phosphate, obls., works, frt equald lb .23 - —
Sodium-carboxymethylcellulose. See CMC.
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, c.l., dms., dlvd lb. .25½- —
l.c.l., same basis lb. .26 - —
Sodium sulpha. drugs (see Sulpha name)
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more works lb. .28 - —
less than 1,000 lbs. same basis.
Solvent naphtha, coaltar, tanks, works gal. .31 - .34
high-flash tanks works gal. .31 - .34
petroleum, 100°F., tanks, Baytown, Tex gal. .31 - —
Bayonne gal. .35 - —
150°F flash, tanks, Baytown, Tex gal. .31 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .32 - —
10,000 to 20,000 lbs., works lb. .34 - —
smaller lots, works lb. .37 - .39
Tristearate, fib. dms., 20,000 lbs. works lb. .33 - —
10,000 to 20,000 lbs., works lb. .35 - —
smaller lots, works lb. .38 - .40
Sorbitol, cryst., pellets, dms., c.l. works lb. .30 —
ton lots to 5 tons, works. lb. .32 .33
powd. dms. ton lots to 5 tons, works lb. .38 .39
solution, commercial, aqueous, dms., c.l. works lb. .24¼- —
ton lots, works lb. .25¼- —
less ton lots, works lb. .26 - —
tanks, works lb. .23½- —
regular, 70%, aqueous, dms., c.l., works lb. .16¼- —
ton lots, works lb. .17 - —
less ton lots, works lb. .17½- —
tanks, works lb. .15½- —
Soybean meal 41% bulk Decatur ton 74.00 Nom.
protein, chemically isolated, 40,000 to 60,000 lbs., dlvd lb. .25½- —
20,000 to 40,000 lbs., same basis lb. .25¾- —
100 to 20,000 lbs., same basis lb. .26¼- —
mechanically refined, bgs., 40,000 lbs., same basis lb. .0600- —
20,000 lbs., same basis lb. .0615- —
smaller lots, same basis lb. .0630- —
Sparteine sulphate, cns oz. .85 1.25
Spearmint leaves, bls lb. .60 - .65
Spikenard root, bls lb. .32 - .45
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd. super, bgs. c.l. works. lb. .05½- —
l.c.l., same basis lb. .05¾- —
Squaw vine leaves, bls lb. .38 - .42
Squill red, fortified, powd., bbls. boxes lb 1.60 - —
White, bls. lb. .10 - .14
powd., bbls., bxs. lb. .16 - .20
St. Ignatius beans, bgs lb No stocks.
St. John's bread, edible, bls lb. .10 - .13
Stainless steel flake, dry, dms., works lb. 1.50 - —
paste, dms., works lb. 1.23 - —
Stannous chloride (see Tin chloride stannous)
Star root (see Helonias root)
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., N. Y. 100 lbs. 7.15 - —
l.c.l. 100 lbs. 7.30 - —
powd., paper bgs., c.l. 100 lbs. 7.27 - —
l.c.l. 100 lbs. 7.42 - —
Prices for corn starch in cotton bags 25c. per 100 lbs. higher.
Potato, Idaho, bgs., c.l., works lb. .07 Nom.
Maine, bgs., c.l., works lb. .11½-Nom.
l.c.l., spot lb. .09¼- .09¾
Rice, l.c.l., bgs lb. .11 - .12
Wheat, bgs lb. .0675- .0710
Stavesacre seed, bgs lb. .80 .81
Stearin oleo (see Oleostearin).
Stillingia root, bls lb. .28 - .30
Stoneroot, bls lb. .07½- .08
Storax, USP cs lb. 1.50 1.60
Stramonium leaves, bgs lb. .16 - .18
Streptomycin, either hydrochloride or sulphate, bulk, 50 kilos or more gram. .324 - —
unlabeled, 1-gram vials, 1 to 500,000 vials vial. .384 - —
5-gram vials, 1 to 500,000 vials vial. 1.766 - —

AVAILABLE FOR SHIPMENT FROM WHOLESALE STOCK

and Prompt from Abroad

RED LEAD, Non Setting, 98%
LITHOPONE, 29-30%
AMMONIUM BICARBONATE, Food Grade
AMMONIUM CARBONATE, U.S.P., Small Lumps
CARBON TETRACHLORIDE
HEXA METHYLENE TETRAMINE
TRICHLORETHYLENE
PERCHLORETHYLENE
ETHYL ACETATE
TRISODIUM PHOSPHATE
DISODIUM PHOSPHATE
ETHYLENE DICHLORIDE
STANNOUS CHLORIDE
ORTHO CRESOL 29/31°
BARIUM CHLORIDE
ACETIC ACID
AMMONIUM BIFLUORIDE
FORMIC ACID 85%

The above commodities are available for shipment not only to the U. S. but any other destination desired

Address all inquiries to:

Elbert and COMPANY inc.

2 Broadway, New York 4, N. Y.

Sales Representatives for leading European Producers

Cable Address: Elbertania, New York · Tel. WHitehall 3-6460

Strontium bromide, NF, cns. dms. lb. .77 - —
Carbonate, 92%, dms. lb. 20½- .24½
Chloride, tech., bbls. lb. .22 - .24
Chromate, bbls., works lb. .46 - —
Iodide jars, 25 lbs lb 3.37 - —
Nitrate, bbls., c.l., works lb. .1025- —
t.c.l. works lb. .1145- —
Oxalate, bbls., works lb. No prices.
Salicylate NF dms lb. 1.65 - —
Sulphate air floated 90% 325 mesh bgs., works ton. 56.70 -66.15
Strontium-calcium sulphide phosphorescent dms. works lb 2.80 - 2.85
Strophanthin, NF, bots oz. 25.00 -25.50
Strophanthus seed Kombe bgs. lb 3.00 - 3.25
Strychnine NF powd. cans. 100 ozs. oz 1.25 - —
Phosphate NF 100 ozs oz 1.14 - —
Sulphate USP powd., cans. 100 ozs. oz 1.00 - —
Styrene monomer, dms., c.l., works lb. .22½- —
t.c.l., works lb. 23¼- —
tanks, works lb. .21 - —
Styrolyl acetate bots lb 2.95 - 3.10
Sucrose octa-acetate, denat., 100-200-lb. bags, t.c.l., works lb. .71 - —
Sugar coloring (see Caramel coloring)
Sugar of milk (see Milk sugar)
Sulphabenzamide dms. lb 4.25 - 4.60
Sodium, dms. lb. 4.25 - 4.60
Sulphacetamide, fiber, 100 lb. drums, kilo. 9.25 - —
Sulphadiazin USP, crystals, free flowing, dms. lb. 11.25 -11.75
microcrystals 10 microns, dms. lb. 10.60 -11.10
powder lb. 10.25 -10.75
Sulphadiazin-sodium, USP, dms. lb. 11.25 -11.75
Sulphaguanidin USP, dms. lb 4.50 - 5.00
Sulphamerazin, USP, micro crystals 99.9%, not over 10 microns, dms. lb. 10.65 -11.15
powder, dms. lb. 10.25 -10.75
Sulphamerazin-sodium, USP, dms., lb. 11.25 -11.75
Sulphamethazine, micro crystals, dms lb 8.90 - 9.40
powder, dms lb 8.50 - 9.00
Sulphanilamide, USP, 30-80 mesh., dms lb. 1.40 - 1.60
microcrystals, dms lb. 1.70 - 1.90
powder, dms. lb. 1.30 - 1.50
Sulphanilamidoquinoxaline veterinary, dms lb. 8.00 - 8.25
Sulphapyridin NF powd. bots, tins, lb 7.00 - 7.50
Sulphapyridin-sodium monohydrate, dms. lb. 7.50 - 8.00
Sulphathiazole USP crystals, free flowing dms lb. 4.00 - 4.50
micro crystals 99.9%, not over 10 microns, dms lb. 3.85 - 4.15
powder, dms. lb. 3.50 - 3.80
Sulphathiazole-sodium, USP dms. lb 3.50 - 3.80
Sulphur, commercial, flour, bgs., mines 100 lbs. 2.05 - —
bbls. mines 100 lbs. 2.20 - —
lump, bgs., mines 100 lbs 1.70 - —
bbls. mines 100 lbs 2.00 - —
crude, bulk, c.l., mines, contract, long ton. 21.00 -22.00
f.o.b vessels, Gulf ports, export long ton. 25.00 -27.50
domestic and Canada long ton. 22.50 -23.50
refined, flowers, USP, bgs., mines. 100 lbs. 3.60 - —
bbls 100 lbs 4.75 - —
flour, light, bgs., mines 100 lbs 3.35 - —
bbls., mines 100 lbs. 4.25 - —
lump, bgs. mines 100 lbs 2.90 - —
rolls, bgs., mines 100 lbs. 3.35 - —
bbls. mines 100 lbs 3.80 - —
salt block, bgs., mines 100 lbs 3.10 - —
virgin block bbls., mines 100 lbs 3.05 - —
rubbermakers com'l, regular, bgs., mines 100 lbs. 2.25 - —
bbls., mines 100 lbs. 2.40 - —
98-100% passing through 325 mesh bgs., mines 100 lbs 2.25 - —
bbls., mines 100 lbs 3.40 - —
refined, bgs., mines 100 lbs. 2.85 - —
bbls., mines 100 lbs. 2.95 - —
treated 2.5% mineral oil, bgs., mines 100 lbs. 2.45 - —
bbls. mines 100 lbs 3.80 - —
10% pine tar, bgs., mines 100 lbs. 3.65 - —
washed, NF, bot lb. .11 - —
Sulphur dichloride, dms., c.l., works, frt. equald lb. .03½- —
t.c.l., same basis lb. .04¼- —
tankcars, same basis lb. .03¼- —
liquid, com'l, cyls., works lb. .09 - —
multi unit cars, works lb. 0535- —
tanks, works lb. 045 - —
refrigeration cyls, t.c.l. dlvd lb. 20 .36
Monochloride 55-gal. dms., c.l., frt. equald lb. .03½- —
t.c.l. same basis lb 04¼- —
tanks, same basis lb 03¼ - —
Sumac leaf, 28% bgs., ex-dock short ton. 149.00 Nom.
ground, same basis ton. 145.00 Nom.
Superphosphate run-of-pile under 22% a.p.a. pulv. bulk, Baltimore unit-ton. 81 - .82½
Carteret, N J unit-ton. 82 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla unit ton. .87 - —
Sweet basil, California, bgs lb. 1.10 - 1.15
imported, bgs lb .90 - 1.00

T

2,4,5-T, dms, c.l., works lb 1.60 - —
t.c.l. works lb 1.65 - —
Isopropyl ester dms. c.l., works lb 1.70 - —
t.c.l. works lb 1.75 - —
Talc, dom. ordinary, grd., Calif., bgs. c.l. works ton. 25.00 -35.00
Vermont, off color, bgs., c.l., works ton. 14.00 - —
t.c.l. works ton. 17.50 - —
fibrous, New York, grd., bgs., c.l., works ton. 25.00 -30.00
t.c.l ton. 28.00 -35.00
99.5%, 325 mesh, bgs., c.l., works ton. 27.00 - —
t.c.l works ton. 30.00 -32.00
imp. Canada grd. bgs. c.l. mines ton. 15.25 -35.00
Tallow, edible, tanks, dlvd lb. .08½- —
inedible, extra lb. .05¾- —
fancy lb. .06 - —
special lb. .05½- —
No. 1 lb. .05 - —
sulphonated 25%, dms., t.c.l. lb. .07½- .08
50%, dms., t.c.l. lb. .10½- .11
Tamarind, W.I., bbls lb. .12 - .14
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 8.00 - —
Chicago unit-ton. 8.50 - —
Tansy leaves ois lb .25 - .30
Tapioca flour, high grade, ex whse., bgs lb. .08¼- .09
medium grades, ex whse., bgs lb. .08 - .08½
Java, ex whse., bgs lb. .07½-Nom.

Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .50 - —
t.c.l., same basis gal. .52 - —
tanks, same basis gal. .40 - —
25-28%, dms., c.l., same basis gal. .56½- —
t.c.l., same basis gal. .58½- —
tanks, same basis gal. .46½- —
50-53%, dms. c.l. same basis, gal. .72½ - —
t.c.l., same basis gal. .74½- —
tanks, same basis gal. .62½- —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tarragon herb, bgs lb 45 - .50
Leaves, bgs lb .65 - .70
Tartar emetic, tech., gran. or powd., bbls., kgs. lb. .56 - .59
dms. lb. .57 - .60
USP, powd., bbls., dms., kgs. lb. .61 - .62
Terpin hydrate com'l bbls., c.l lb. .24½- —
t.c.l. lb .25 - 25½
NF, cryst., fib. dms lb. .70 - .75
powd., fib. dms lb. .75 - .80
Terpineol, alpha (see A)
commercial, dms., c.l., South lb. .13½- —
t.c.l., South lb. .14 - —
extra, dms lb. .48 - .50
prime, dms lb. .39 - .43
Terpinglycol ether dms. c.l., works. lb. .23½- —
t.c.l. works lb. .25½- —
tanks, works lb. .22 - —
Terpinyl acetate, extra, cns., dms lb. .66 - .70
prime, dms lb. .55 - .60
Propionate, dms. lb. 1.75 - 2.00
Terra alba (see Gypsum)
Testosterone, USP 100 gms. bots. gm. 1.90 - —
Propionate, USP 100 gms. bots. gm. 1.90 - —
Tetrachloroethane, dms., works lb. .08 - .08½
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55-gal. dms., works lb. .20½ - .21½
smaller dms. works lb. 23½ - 25
Tetraethyl orthosilicate, dms., t.c.l., works lb. .71 - —
t.c.l. lb. .72 - —
Pyrophosphate 40% cns., dms., works lb. .80 - 88
Tetraethylenepentamine dms. c.l. dlvd., E lb. .57½- —
t.c.l., dlvd. E lb. .58½- —
tanks dlvd E lb. .56 - —
Tetraiodotassium phospnate (see Potassium phosphate)
Tetrasodium pyrophosphate (see Sodium pyrophosphate)
Thallium metal dlvd lb 12.50 - 15.00
Sulphate, 99%, bots., dlvd lb 10.50 - 13.00
Theobromine fib dms lb 5.75 - 6.00
Salicylate fib dms lb 5.17 - —
with sodium acetate USP dms lb 4.80 - —
Sodio-salicylate fib dms lb 4.05 - 4.10
Theophylline anhydrous, or USP, 100-lb. dms lb. 5.00 - —
Thiamine hydrochloride, USP, regular or ampul type, fib. dms kilo. 160.00 - —
Mononitrate, USP, fib. dms. kilo. 160.00 - —
Thiocarbanilide dms lb. 44 - .51
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms. works lb 5.50 - 5.60
Thiourea, tech. dms., c.l., works. lb. 43½ - —
t.c.l., works lb. 45½- —
Thorium nitrate, cs., works lb 3.50 - —
Threonine dextro laevo, bots. 1-kilo lots kilo. 700.00 - —
Thyme, French, bgs lb. .21 - .22½
Spanish, bls lb. .07¾- .08
Thymol, fib. dms lb 3.75 - 5.52
Iodide, NF dms lb. 9.30 - 9.42
Timbo root (see Cube root)
Tin chloride, stannous, anhyd., dms., works lb. .98½- 99½
Crystals, hydrous, bgs., bbls., works lb. .80¾- —
Metal lb. 1.21½ - —
Oxide, dms. lb. 1.23 - 1.24
Sulphate, stannous, bbls lb. 1.09 - 1.11
Tetrachloride, anhyd., dms., works lb. .89 - .90
Titanium dioxide anatase, chalk resistant, bgs., c.l., dlvd lb 21 - 21½
t.c.l. dlvd lb 22 - 22½
regular, bgs., c.l. dlvd lb 21 - 21½
t.c.l. dlvd lb 22 - 22½
ceramic, bgs., c.l., dlvd lb. 21 - 21½
t.c.l. dlvd lb 22 - 22½
metallurgical, natural, granular, bgs., c.l., works lb. .04¼- —
5-ton lots, works lb .04½ - 05¼
milled, bgs. c.l works lb .04¼ - —
5 ton lots works lb .04¾ - 05½
rutile, non-chalking, bgs., c.l., dlvd, E lb. .23 - .23½
t.c.l. dlvd E lb 24 - 24½
Hydride, cns., works lb. 7.95 - 9.00
Pigment, calcium rutile base, bgs., c.l. dlvd lb .08 - .08¼
Titanium dioxide and pigment tr bbls ¼c. higher, Pac coast c.l. dlvd t.c.l. ex whse. ½c higher.
Tetrachloride, tech., dms., c.l., works lb. .45½- —
t.c.l., works lb .48½ - 56¼
tankcars, works lb 44½ - —
Tolidin base distilled kgs lb 4.30 - —
Tolu balsam, cns., dms lb. 5.35 - 5.75

Strontium Bromide—Tolu Balsam

PURCHASING AGENT'S BUYING GUIDE

VITAMIN A Palmitate Acetate

Quality ➧ EIGHT FAMOUS ADVANTAGES: Stability, Quality, Economy, Uniformity, Availability, High Potency, Palatability, No "Fishy Burp"

Source ➧ HOFFMANN-LA ROCHE INC., VITAMIN DIVISION, NUtley 2-5000

Supply ➧ Manufactured by the tons. Samples available on request.

Special qualities ➧ Roche vitamin A is available in three types:

P1MO VITAMIN A PALMITATE; 1,000,000 U.S.P. (XIV) units per gram, standardized by addition of edible oil *only**. *This is the most widely used form in the pharmaceutical industry*. Excellent stability in tablets, aqueous dispersions, and capsulated products.

P 1.3 VITAMIN A PALMITATE; potency ranges between 1,250,000 and 1,500,000 U.S.P. (XIV) units per gram. Does not contain oil addition*. Ideally suited for oil-free preparations.

A1MO VITAMIN A ACETATE; 1,000,000 U.S.P. (XIV) units per gram; standardized by addition of edible oil *only**. Satisfactory for oil solutions and gelatin capsules.

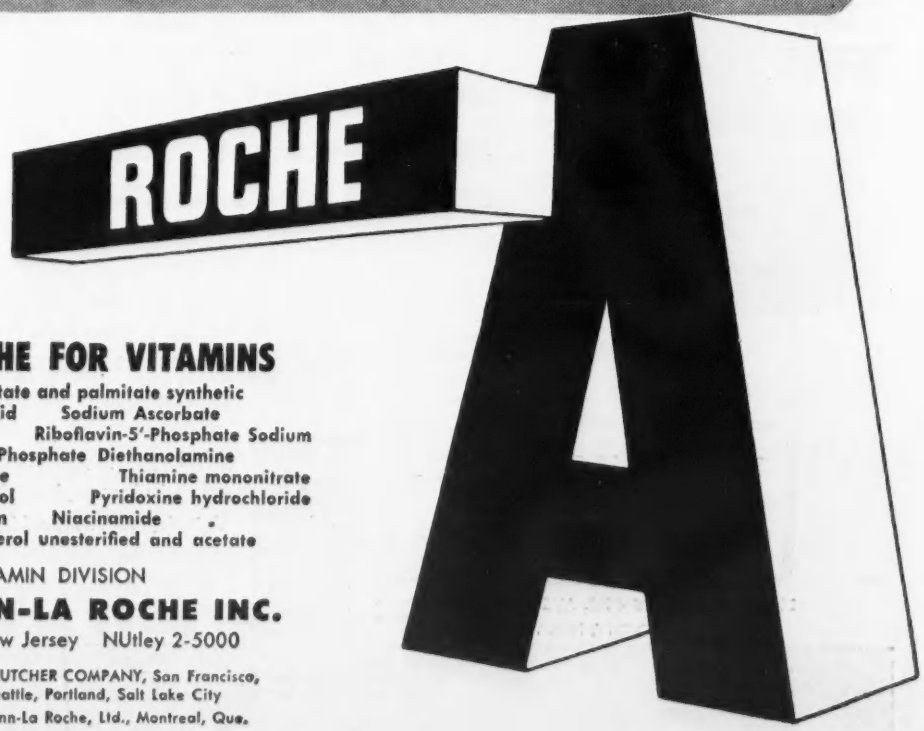
*Antioxidants or other additives can be included on your specification. Containers will be labeled accordingly. Data on antioxidants available on request.

These types meet practically every pharmaceutical manufacturing requirement.

Also available for research and special production are two types:

P 1.8 vitamin A palmitate; 1,700,000 to 1,800,000 U.S.P. (XIV) units per gram
A 2.9 vitamin A acetate; 2,900,000 U.S.P. (XIV) units per gram

Packaging ➧ All forms of Roche vitamin A acetate and palmitate are packed under inert gas in seamless aluminum bottles.



CALL ROCHE FOR VITAMINS

Vitamin A acetate and palmitate synthetic
Ascorbic Acid Sodium Ascorbate
Riboflavin Riboflavin-5'-Phosphate Sodium
Riboflavin-5'-Phosphate Diethanolamine
Thiamine hydrochloride Thiamine mononitrate
Biotin Panthenol Pyridoxine hydrochloride
Niacin Niacinamide
dl-alpha-Tocopherol unesterified and acetate

VITAMIN DIVISION

HOFFMANN-LA ROCHE INC.

Nutley 10, New Jersey NUtley 2-5000

Pacific Coast: L. H. BUTCHER COMPANY, San Francisco, Los Angeles, Seattle, Portland, Salt Lake City
In Canada: Hoffmann-La Roche, Ltd., Montreal, Que.

Toluene—Wattle Bark

Toluene (see Toluol).
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa gal. .32 - —
Birmingham dist gal. .30 - —
Chicago dist gal. .33 - —
Cleveland dist gal. .32¾ - —
Geneva, Utah gal. .26 - —
Hamilton, Ohio gal. .32 - —
Johnstown, Pa gal. .30 - —
Lackawanna, N. Y gal. .33 - —
Lone Star, Tex gal. .35 - —
Lorain, Ohio gal. .31 - —
Minequa, Colo gal. .32 - —
Philadelphia, Pa gal. .33½ - —
Pittsburgh dist gal. .30 - —
Sparrow's Point, Md gal. .32 - —
Syracuse, N. Y gal. .30½ - —
Terre Haute, Ind gal. .33½ - —
Wyandotte, Mich gal. .34¼ - —
Youngstown, Ohio gal. .30½ - —
Petroleum, industrial, 2°, tanks, works:—
Albany, N. Y gal. .33 - —
Bayonne, N. J gal. .33 - —
Baytown, Tex gal. .31 - —
Chicago, Ill gal. .33 - —
Detroit, Mich gal. .33 - —
Philadelphia, Pa gal. .33 - —
Providence, R. I gal. .33 - —
Wood River, Ill gal. .33 - —
Tolylene di-isocyanate, dms., works.
Tonga, 50% bark and vine, bls lb. .75 - .80
Tonka beans, Angostura, cks lb. 1.75 - 1.80
Brazilian, Surinam, cs lb. 1.00 - 1.25
lb. 4.00 4.50
Totaquine, 100-oz lots, cns oz. .42 - —
Toxaphene, dms., c.l., works lb. .23 - —
truckloads, works lb. .23 - —
ton to truckloads, works lb. .26 - —
less than ton lots, works lb. .29 - —
Triacetin, dms., c.l., dlvd. E lb. .53 - —
l.c.l., dlvd. E lb. .56 - —
tanks, dlvd. E lb. .53½ - —
Tributyl citrate, tech., dms., c.l. lb. .40½ - —
l.c.l. lb. .41½ - —
tanks lb. .39 - —
Phosphate, dms., c.l., frt. alld lb. .63½ - —
l.c.l., same basis lb. .64½ - —
smaller containers lb. .68½ - —
Tributylamine, dms., c.l., works, frt., alld. E of Miss lb. 71¾ - —
l.c.l., same basis lb. 72¾ - —
tanks, same basis lb. 70 - —
Trichlorobenzene, dms., c.l., works, frt. alld lb. .12½ - —
l.c.l., frt. alld lb. .13½ - —
tanks, frt. alld lb. .11 - —
Prices in the West 1¾c higher.
Trichloroethane, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½ - —
tanks, works lb. .11½ - —
Trichloroethylene, dms., c.l., or truckloads, works, frt. equald. lb. .11 - —
dlvd. E lb. .12½ - —
l.c.l., works, frt. equald lb. .11½ - —
dlvd. E lb. .13½ - —
tanks, works, frt. equald lb. .10 - —
dlvd. E lb. .11 - —
Tricholine citrate, 65% solut., ret. cbys., works, frt. adjusted. lb. 1.40 - 1.45
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .37½ - —
l.c.l., dlvd. lb. .38½ - —
tanks, dlvd. lb. .35½ - —
petroleum, dms., c.l., dlvd lb. .37½ - —
l.c.l., dlvd. lb. .38½ - —
tanks, dlvd. lb. .35½ - —
Triethanolamine dms., c.l., frt. alld, E lb. .26¼ - —
l.c.l., same basis lb. .27¼ - —
tanks, same basis lb. .24½ - —
Triethylamine, dms., c.l., works, frt. alld. E lb. .47 - —
l.c.l., same basis lb. .48 - —
tanks, same basis lb. .45½ - —
Triethyl citrate, tech., dms., c.l. lb. .37½ - —
l.c.l. lb. .38½ - —
tanks lb. .36 - —
Phosphate, dms., works, c.l. lb. .38 - —
l.c.l. same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld., E lb. .23¼ - —
l.c.l., same basis lb. .24¼ - —
tanks, same basis lb. .21½ - —
Triethylenetetramine, dms., c.l., dlvd. E lb. .48½ - —
l.c.l., dlvd. E lb. .49½ - —
tanks, dlvd. E lb. .47 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald, 100% basis, lb. .38 - —
l.c.l., works, frt. equald, 100% basis lb. .38½ - —
tanks, works, frt. equald., 100% basis lb. .33 - —
Tripentaerythritol, bgs., c.l., works, lb. .36½ - —
l.c.l., same basis lb. .39½ - —
Triphenyl phosphate, bbls., c.l., frt. equald. lb. .37 - —
l.c.l., frt. equald lb. .38 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli, air floated, bgs., c.l., works, lb. .0175 - —
double grd., bgs., c.l. works lb. .016 - —
single-grd., bgs., c.l. works lb. .015 - —
Tripropyleneglycol, dms., c.l., frt. alld lb. .26¼ - —
l.c.l. frt alld lb. .27¼ - —
tanks, frt. alld lb. .24½ - —
Trisodium fluoroacetate (see sodium fluoroacetate (tribasic).
Trisodium phosphate (see Sodium phosphate, tribasic).
Trypsin, pharmaceutical, 1:80 dms., works lb 5.00 - —
Tryptophane, dextro-laevo, fib. ctns. works kilo. 132.00 - 198.00
Tuba root (see Cube root).
Tungsten metal powd., 99.9%, dms. works lb. 7.75 —
Turmeric root, Alleppey, bgs lb. .15½ - .16
Haitian, bgs lb. .08½ - .09
Jamaica, bgs. lb. .08½ - .09
Madras, bgs. lb. .11 - .11½
Turpentine gum (see Naval Stores)
Protective coatings market)
Wood, dest.-dist., dms., extra c.l., works, South gal. .59 - —
l.c.l., same basis gal. .60 - —
l.c.l., whse N.Y.C gal. .70 - —
wood, steam-dist., dms., extra, ret., c.l., works gal. .80 - —
l.c.l., ex whse. NYC gal .93 - —
tanks, works gal .70 - —
Tyrothricin, USP, bots gram. 1.00 - 1.10

U

Urethane, USP, dms lb. 1.50 - —
Unicorn root, false (see Helonias root)
True (see Aletris root).
Uranium oxide, black, bgs lb. 2.55 - —
yellow, kgs lb. 1.65 - —
Urea, dom. 46% N bgs., c.l., wks. lb. .05½ - —
l.c.l. works lb. .06 - —
44% N, bgs., c.l. 30 tons, frt. alld., Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton. 142.00 - —
l.c.l., dlvd. ton. 146.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars Belle, W Va ton. 120.00 - —
C and D grades, tankcars, same basis ton. 118.50 - —
37 grade, tankcars, same basis, ton. 147.50 - —
Uva ursi leaves, bls lb. .08 - .10

V

Valerian root, Belgian, NF, bls lb. .40 - .50
Valine, dextro-laevo, dms works lb. 21.00 - 27.50
Valonia beards, 40-42% tannin, bgs., ex dock ton. 86.00 - 88.00
Cups, 28-30%, tannin bgs., ex dock ton. 70.00 - 72.00
Extract powd., bgs., ex dock, duty extra lb. .09½ - —
Vanadium pentoxide CP bgs., cns. contract works lb. 7.00 - —
tech., dms., works lb. 1.23 - —
spot, dms., work lb 1.33 - 1.43
Vanilla, beans, Bourbon, tins lb. 2.90 - 3.25
Mexican, cuts, tins lb. 3.75 - 4.00
whole, tins lb. 4.75 - 5.50
Tahiti, cs lb. 2.40 2.50
Vanillin, ex eugenol, tins, 25 lbs lb. 5.50 6.50
smaller lots lb. 5.55 6.65
ex guaiacol, tins, 25 lbs lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb. 3.00 —
smaller lots, tins lb. 3.05 3.15
Vinyl acetate, 55-gal. dms., c.l., works lb. .20¾ - —
l.c.l., works lb. .21¼ - —
tanks, works lb. .19¾ - —
Butylether, normal, tech., dms., c.l., works lb. .28 - —
l.c.l. works lb .30 - —
tanks, works lb .27 - —
Ether (see Ether divinyl)
Ethylether, tech., dms., c.l., works lb. .28 - —
l.c.l. works lb. .30 - —
tanks works lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l. works lb. .30 - —
tanks, works lb. .27 - —
Methylether, cyls., works lb. .30 - —
tanks, works lb. .27 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works lb. 1.65 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots., lots of 10 billion USP units 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in natural vegetable oil, 400,000 or 1,000,000 D units per gm. bots., lots of 100 billion USP units 1,000,000 units. .02 - —
lots of 1 billion USP units, 1,000,000 units. .025 - —
lots of less than 1 billion USP units, 1,000,000 units. .03 - —
Vitamin A, synthetic, acetate, crystalline, beads, 500,000 A units per gm. 1,000,000 units. .17 - —
liquid, in oil, 1,000,000 A units per gm. 1,000,000 units. .15 - —
natural, concentrates (see Oil, fishliver).
palmitate, liquid, 1,000,000-1,800,000 A units per gm. 1,000,000 units. .15 - —
in oil, 1,000,000 A units per gm. 1,000,000 units. .15 - —
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxine hydrochloride).
B_{12}, gm. or 5 gm. vials gram. 350.00 - —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K_1 25 gm. bots gram. 4.50 - —
Violet methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum napntha).

W

Wahoo root bark, bls lb. 1.75 - 1.80
Tree bark, bls lb. .75 - .90
Wartarin, 0.5%, dms., 50 lbs., f.o.b. N. Y. or Chicago lb 1.95 —
25-49 lbs., same basis lb. 2.05 - —
5-24 lbs., cns., same basis lb. 2.15 - —
Wattle bark, fair average, or E. Afr., bgs., ex dock ton. 105.00 - —
merchantable, bgs., ex dock ton. 101.50 - —

the only vegetable wax commercially produced in the United States

Wax

SUGAR CANE

from nature's greatest reservoir of vegetable wax

Sugar Cane Wax, developed by America's largest group of wax chemists, is produced domestically in the only continuously operating sugar cane wax refinery in the world.

Sugar Cane Wax offers these distinct advantages:

UNIFORM QUALITY controlled production, no seasonal variation.

AVAILABILITY domestic raw materials assure continued supply.

PROVED VALUE used successfully in a wide range of applications.

May we put our technical staff at your service? Write — our chemists, with practical formulations, can show you the effectiveness of Sugar Cane Wax in all types of applications. This counsel, plus samples and technical data, is free for the asking.

WARWICK
WAX
Company, Inc., Subsidiary Sun CHEMICAL CORPORATION
10th STREET and 44th AVENUE
LONG ISLAND CITY, NEW YORK

Wattle bark, extract, liquid, 35% tannin, bbls., works..lb. .11 - .11¼
solid, E. Africa, 61% tannin, bgs., ex dock, duty extra. lb. .11¼ - .11⅝
S. Africa, 62%, tannin, ex-dock, duty extra..lb. .11⅝ - —
Wax amorphous (see Wax micro crystalline)
Bayberry, bgs., spot.....lb. .55 Nom.
Bees, bleached, USP, bricks, cs lb. .79 - .80
slab, bgs.....lb. .78 - .79
crude, African, bgs.....lb. .56 - .58
Brazilian, bgs.....lb. .69 - .70
Central American, bgs.....lb. .65 - .67
refined, yellow, bricks, cs....lb. .71 - .76
slabs, bgs.....lb. .70 - .75
Candelilla, crude, bgs.....lb. .75 - .77
refined, bgs.....lb. .78 - .80
Powdered candelilla, 20 mesh, 5c. per lb. extra: 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, bgs., ton lots lb. .85 - .87
North Country, No. 2, bgs., ton lots..lb. .93 Nom.
No. 3, crude, bgs., ton lots..lb. .89 - .90
refined, bgs., ton lots....lb. .94 - .96
yellow, No. 1, bgs., ton lots..lb. 1.14 - 1.16
No. 2.....lb. 1.12 - 1.14
Powdered carnauba price differentials same as powdered candelilla
Esparto, African.....lb. .35 - —
Japan, bgs.....lb. .40 - .45
Microcrystalline, 170°-175° m.p., ASTM amber ctns., 20,000 lbs. group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
170°-175° m.p., ASTM, black, ctns., 20,000 lbs., same basis lb. .12½ - —
Less than 20,000 lbs. same basis lb. 13½ - —
white, ctns., 20,000 lbs., same basis lb. .25 - —
less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .16 - —
less than 20,000 lbs., same basis lb. .17 - —
black ctns., 20,000 lbs., same basis lb. .14½ - —
less than 20,000 lbs lb. .15½ - —
white, ctns., 20,000 lbs., same basis lb. .27 - —
less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, basis lb. .20½ - —
Less than 20,000 lbs., same basis lb. .21½ - —
190°-195°, black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
white, ctns., 20,000 lbs., same basis lb. .33½ - —
Less than 20,000 lbs., same basis lb. .34½ - —
Montan, dom., refined, bgs...lb. .31 - .32
German, crude, bgs.....lb. .14 - .15
Ouricury, ref., bgs.....lb. .85 - .87
Paraffin (see P.)
Spermaceti, blocks, cs.....lb. .27 - .29
cakes, cs.....lb. .28 - .30
Sugar cane, refined, dom., slabs, works lb. .85 - —
spot.....lb. .87½ - —
imp., bgs., N. Y.....lb. .43 - —
White lead (see Lead, white).
White pine bark, rossed, bls....lb. .18 .20
White precipitate, USP powd., dms., lb. 5.00 —
Whiting, limestone, dry-grd., 99.5%, 325 mesh bgs., c.l., works. ton. 6.00 -10.00
smaller lots, works ton. 6.50 -15.00
wet-grd., bgs., c.l., works ton.16.00 -30.00
smaller lots, works....ton.21.00 -35.00
Paris white, bgs., c.l.....ton.24.00 -31.00
l.c.l.....whse ton.25.00 -40.00
Precipitated, bgs., c.l.....ton.18.00 -20.00
l.c.l.....ton.25.00 -35.00
Wild cherry bark, thick, natural, bls lb. .06 .07
Thin, natural, bls.....lb. .17 .19
rossed, bls.....lb. .19 .22
Indigo root, bls.....lb. .30 - .31
Wild yam root, bls.....lb. .16 .17
Witch hazel leaves, bls.....lb. .20 .22
Woodflour, 40 mesh, bulk, c.l., works, East ton.32.00 - —
l.c.l., same basis ton 40.00 —
60 mesh bulk c.l. same basis ton.37.00 - —
l.c.l. same basis ton 45.00 —
80-100 mesh bulk c.l., same basis. ton.45.00 -50.00
l.c.l. same basis....ton.60.00 -62.00
Woodflour in bgs extra, returnable
Woolfat, crude (see Degras)
USP (see Lanolin).
Wormseed American, bgs.....lb. .14 .16
Levant, bgs.....lb 4.25 4.50
Wormwood leaves, bls.....lb .35 .45

X

Xanthorrhiza root, bls.....lb. .28 - .30
Xylene (see Xylol)
Xylenol, cryst., 56°-58°C. m.p., ref. dms. c.l. works frt equald lb. .193 —
l.c.l. same basis lb. 190 —
tanks, same basis lb. 18 —
45°-47°C. dms., c.l., same basis. lb. .153 - —
l.c.l., same basis.....lb. .156 - —
tanks, same basis.....lb. .14 - —
fractions, over 7°C, b.r., except meta, dms., c.l., same basis..gal. 1.31 - —
l.c.l. same basis.....gal. 1.34 - —
tanks, same basis.....gal. 1.20 - —
meta fraction, over 7° C., dms., c.l., same basis gal. 1.46 - —
l.c.l. same basis.....gal. 1.49 - —
tanks, same basis.....gal. 1.35 - —
Xylidins, mixed, dms.....lb. .39 .50
Xylol, coaltar, industrial, tanks, works—
Bethlehem, Pa.....gal. .33 - —
Birmingham district.....gal. .30½ - —
Chicago district.....gal. .33½ - —
Cleveland district.....gal. .33 - —
Geneva, Utah.....gal. .25 - —
Hamilton, Ohio.....gal. .32 - —
Johnstown, Pa.....gal. .31 - —
Lackawanna, N. Y.....gal. .33 - —
Lone Star, Tex.....gal. .35 - —
Lorain, Ohio.....gal. .31 - —
Minequa, Colo.....gal. .34 - —
Philadelphia, Pa.....gal. .33 - —
Pittsburgh district.....gal. .30 - .33
Sparrows Point, Md.....gal. .33 - —
Syracuse, N. Y.....gal. .30½ - —
Terre Haute, Ind.....gal. .35 - —
Wyandotte, Mich.....gal. .34½ - —
Youngstown, O.....gal. .30½ - —

Xylol, petroleum, indust., tanks, Albany, N. Y..gal. .33 - —
Albany, N. Y.....gal. .33 - —
Bayonne, N. J.....gal. .33 - —
Baytown, Tex.....gal. .31 - —
Chicago, Ill.....gal. .33 - —
Philadelphia, Pa.....gal. .33 - —
Providence, R. I.....gal .33 - —
Wood River, Ill.....gal .33 - —

Y

Yara yara, ens.....lb. 2.25 - 2.65
Yeast, brewer's dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
90 Int'l B units per gram, 100-lb. dms lb. .52 - —
200 int'l B units per gram, 100-lb. dms lb. .56 - —
300 Int'l B units per gram, 100-lb dms lb. .60 - —
Yellow barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .35 - —
Barium chromate yellow price differentia in other States and city zones are those for chrome yellow below.
Benzidin, AAA, bbls., dlvd....lb. 1.91 - —
lb. 1.91 - —
AAOT, bbls.....lb 2.06 - 2.15
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 3.20 - —
lithopone, all shades, bbls., frt. alld., E. of Rockies lb. 1.32 - —
Cadmium yellows, Los Angeles, and San Francisco, ex whse., 1c. per lb. higher.
Yellow, chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island..lb. .32 - —
Dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c. higher); Miss., N. C., S. C., Penna., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, 10 G, bbls., same basis as chrome lb. 2.05 - 2.15
G, pigments, bbls.....lb. 1.91 - 2.05
Iron oxide, natural, bgs., c.l., works lb. 0141- 0250
l.c.l., works lb 0166- 0275
French type, bgs., c.l.....lb. .04½ - —
l.c.l. lb 04¾ —
Peruvian type, bgs., c.l...lb. .0165- —
synth., bgs., c.l., works....lb. .10 - —
l.c.l., works.....lb. .1025- —
Mercury oxide, bbls., 1,000 lbs lb. 4.15 - —
smaller lots.....lb. 4.17 - —
Ocher, American golden, bgs., works lb. 01¼ .02¾
Zinc, (chromate) bbls. dlvd.....lb. .27 - —
basic, dlvd.....lb. .30 - —
Yellow dock root, bls.....lb. .18 - .19
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls lb. .28 .30
Yohimbine hydrochloride, bots., tins. oz. 4.75 - 5.25

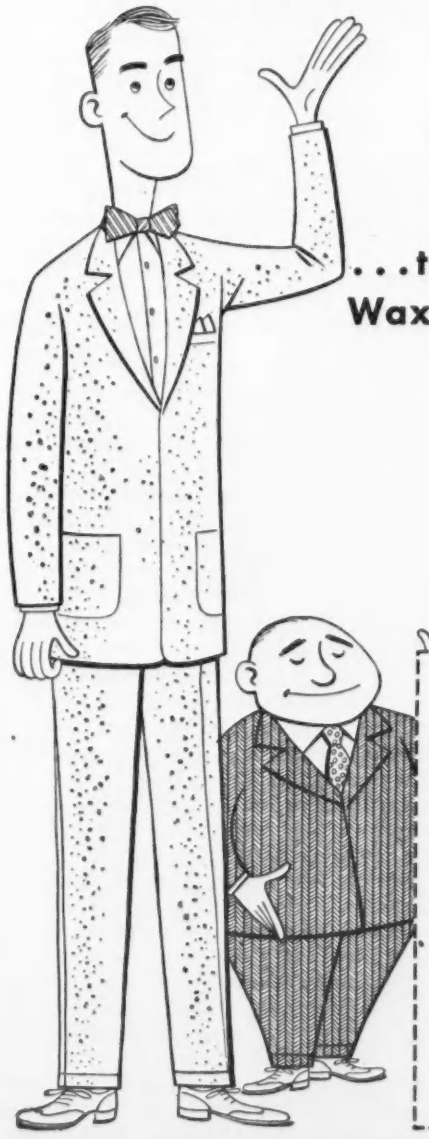
Z

Zein, bgs., 36,000 lbs., works....lb. .38 - —
1,000 lbs. to 36,000 lbs., works lb. .40 - —
small lots, works.....lb. .43 - —
Zinc acetate tech, bbls. dms. works. lb. .26¾ - .28¼
NF VIII, dms.....lb. .53 - —
Borate, bgs., c.l., dlvd. E.....lb. .192 - —
l.c.l., dlvd. E.....lb. .202 - —
Carbonate, rectified, powd., dms. lb. .26 - —
tech., rubbermakers bgs. works. lb. .15½ - .16¼
precipitated powd. dms lb. 26 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 8.70 - —
l.c.l., works 100 lbs 9.10 - —
gran., bbls., c.l., works 100 lbs 9.45 - —
l.c.l., works 100 lbs 9.85 - —
Chloride, solution, 50%, dms., c.l., works..100 lbs. 4.75 - —
l.c.l. works 100 lbs 5.35 - —
tanks works 100 lbs 4.10 - —
NF, gran., dms lb .42 - —
Chromate (see Yellow zinc).
Cyanide, kgs., works.....lb. .523 - .543
Dust, bbls., c.l., works.....lb. .23 - —
l.c.l., works.....lb. .24 - —
Fluoride, bbls., works.....lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld. lb. .21½ - —
l.c.l.....lb. .22 - .37¼
Iodide, NF, jars.....lb 4.92 - —
Laurate, bbls.....lb 45 .46
Metal, slabs, E. St. Louis.....lb. .19½ - —

—Continued on page 78

If you use WAX in any of these products or processes . . .

1 Auto Polishes
2 Bottle Cap Linings
3 Candles
4 Carbon Paper
5 Citrus Fruit Dips
6 Coils and Condensors
7 Crayons
8 Fabric Treating
9 Flax Packings
10 Food Packaging
11 Hard Surface Floor Covering
12 Insulating Materials
13 Leather Belting
14 Leather Finishes and Dressings
15 Leather Packing
16 Lubricant for Ironers and Presses
17 Lubricant for Thread and Cord
18 Matches
19 Mold Lubrication
20 Paper Coatings
21 Paper Impregnating
22 Paper Sizings
23 Phonograph Records
24 Polishes
25 Printing Inks
26 Protective Coatings
27 Rust Preventives
28 Self-Polishing Floor Wax
29 Sizing Materials
30 Soaps
31 Starches
32 Textile Finishes
33 Transformers
34 Water-Wax Emulsions
35 Wire and Cable Insulation



. . . there is a Concord Wax especially suited to your needs

CONCORD WAX #159
CONCORD WAX #190
CONCORD WAX #407
CONCORD WAX CWB
CONCORD PARWAX
CONCORD WAXSOL
CONCORD WAX PWB
KARAGAMI WAX
CONCORD PALM WAX
CONCORD MICROCRYSTALLINE WAXES

. . . mail this coupon to learn the economical and special technical features of CONCORD WAXES

CONCORD CHEMICAL COMPANY
Moorestown, New Jersey

Please send me informative technical data and price lists on Concord special waxes designed for the following uses (indicate numerals as listed above or describe more fully):_____.

NAME_____

TITLE_____

COMPANY_____

ADDRESS_____

Please attach this coupon to your company letterhead

Oil, Paint & Drug Reporter

Founded October 18, 1871, by William O. Allison
Directed 1900-1942, by Harry J. Schnell
Incorporating Drug, Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, New York Druggists' Price Current, The Soap Makers Journal, Oil and Paint Review, and International Petroleum Reporter
Member of Audit Bureau of Circulations

Copyright 1952 by

SCHNELL PUBLISHING COMPANY, INC.
WILLIAM S. AUCHINCLOSS, *President*
30 Church Street, New York 7, N. Y., U. S. A.
Telephone: REctor 2-9820; Cable Address: Reporter, New York

Volume 161 March 3, 1952 Number 9

Price-Decontrol Should Wait

The new Director of so-called "Price Stabilization" faces a very tough job—and he knows it. That job is not so much stabilization as it is satisfaction. And the number and variety of things to be satisfied are unlimited.

The new director is much more a politician than he is a businessman. He is, however, a lawyer—although not a Philadelphia one—and that should help him to some extent in making his statute of authorization do some of the things for which it is, at least in pronounced theory, intended.

The recently retired OPS director, after standing up for the purpose and need of price-control for some months, had got around to some measure of feeling that decontrols were in order. The new director, declaring that "the worst inflationary pressures are yet to come," has advised against hasty removal of the bars against profiteering—he, of course, used the euphemistic designation, "inflation." Fundamentally opposed to "a controlled, regimented economy," he nevertheless admitted that there could be threats of economic destruction in unrestricted freedom of all economic forces. The new director is in agreement with his predecessor on the desirability of decontrolling prices in areas where the official ceilings are well above prices prevailing in normal marketing. He has not made any clearer what the public wants to know when it asks:—"If a ceiling is in no way restrictive of satisfactory prices, why is it objectionable? What would follow its removal?" The answers to those questions, insofar as they can be found in the arguments for decontrol, are no more in harmony than are many other business concepts of economics.

OPS has been finding holes in its ceilings all along. It has made some efforts to patch those through which all sorts of prices have been made possible for meats —including the extraordinary proportions of (physical) fat therein. In that great independence which is characteristic of governmental agencies, the Department of Agriculture, of course, does not see eye to eye or walk in step with the Office of Price Stabilization. The State of Minnesota has sued to void price-control. Congress is getting election-year pressure from groups opposed to control.

The new head of OPS is continuing the committee named by his predecessor to study selective decontrolling of prices. He has not said whether he will continue also the never adequate field checking which discovered such things as 100 percent violation of price rules in communities visited. A more expansive and more intense campaign for compliance was got as far as the talk stage some weeks ago. Maybe it was talked out by the alleged violators who said that the overchargings were "slip-ups" on the part of insufficiently informed salespersons.

Politics will, of course, play a still larger part this year in the application of price-control. The soundness of the system and the effectiveness of its administration have all along been pecked full of holes by politicomists. The same "birds" have raised a heap of trouble by pressing for lower ceilings on specific goods. Seven members of the tallow and grease advisory committee quit last fall because soapmakers were given lower prices on those materials to offset lower selling prices resulting from the "natural laws" of trade.

The President, the new ESA director, and the new head of OPS are largely in agreement that controls of prices and other economic factors are necessary for the preservation of the economic stability and the international safety of this nation. They all admit that the effectiveness of controls rests largely with the individuals to whom they apply. They know that they have no magic formula to apply to the tasks which get no appreciation ever from those benefited by the results. They all aver that the national defense program must be supported by controls of prices, wages, and materials. They will get no support from individuals (milk producers) who declare that controls are "enormously destructive to the defense efforts of a nation that may be fighting for its very life." They will have no backing from individuals who see in price-controls on meat only the stimulation of black marketing, or from those who hold that textile trade slumps are attributable to price-control, not to any aversion on the part of consumers to what they regard as overpricing. What can be expected in the way of assistance in the light of such clashing opinions as those of the retailers of hose who demand that their higher costs be absorbed by the manufacturers and those of dealers in waste metals that price ceilings should be laid on end-products and removed from the scrap used in their making.

It is nationally to be hoped that the new OPS director will stick to his belief that price-decontrol should await events.

Cotton and the Synthetics

Although one may be quite ready to agree, as a matter of basic national economic policy, with the opposition recently voiced by the National Cotton Council to governmental tax benefits in the expansion of production facilities in synthetic fibers, he must feel, if he be open-minded, that the opposition does not come with good grace from a group which has been benefited, at the expense of the general public, by way of governmental subsidy. The growth of the synthetic and other fabricated fiber industry is by no means the only reason for the shrinkage of trade in natural textiles.

The textile situation needs more and better study by wholly unprejudiced examiners, properly cognizant of the multitude of influences contributing thereto. It is perplexing for the disinterested observer to hear, for example, politicians and the like declare that a bigger cotton crop is needed, when those whom he knows in the cotton textile business are bewailing its steadily diminishing volume. His perplexity is increased when he sees the report of findings by the Textile Information Service that, by reason of an eleven-month depression in the textile business, there has been a 25-percent cut in production, causing losses of $500,000,000 to agriculture and the fisheries, $200,000,000 to the chemical industry, $100,000,000 for small industries, $50,000,000 for carriers, and $25,000,000 for the power industry. In the face of those data and the privately promoted expansion of production of fabricated fibers, why should the cotton industry (including growers) be advised to increase the supply of its basic material?

Fabricated fibers are a revolutionary influence in the textile industry. They are here to stay—and to grow. The best thing that the natural fiber groups can do is to accept the new fibers as partners rather than regard them wholly as competitors. Mixed fabrics of cotton or wool and an appropriate fabricated complement offer the textile industry its biggest promise of progress.

The cotton industry does not need—nor does this nation—bigger crops of cotton. Both would be benefited much more by the growing of better cotton for direct use in textiles, devoting the lands and the tillers thereof that cannot—at least, do not—produce high grades to the providing of cotton for other uses or, often better, to the growing of other crops.

There are lessons for the cotton industry, from field to fabric, in the suspension by the British Raw Cotton Commission, some weeks ago, of imports of Texas cotton, reportedly because of dissatisfaction with the quality of the material being received, and in the more recent decision of the United States Secretary of Agriculture not to raise the supports of cotton prices, also in the growing, for some years, dissatisfaction of the general public because of the fact that, if a man desires to have a cotton shirt of a fabric other than broadcloth, oxford-cloth, or so-called "poplin," he has to pay more than should be necessary if the domestic industry had a higher mark of self-sufficiency. And there is something to be learned in Johnson-grassroots areas from the recent business commentary from South Carolina:—"But, the big factor in the region's [South's] rapid and spectacular industrialization is the synthetic fiber industry which apparently has just begun its vast contemplated expansion." And that not all the nitrogen going into that expansion will be by way of organic chemical syntheses is manifest in the report of the development of a process for the production of rayon and other cellulose derivatives and products from bagasse. Similar use of the cornstalk and the cottonstalk doubtless is nearing.

The synthetic and other fabricated fiber revolution will not, of itself, wreck the cotton dynasty. It needs no governmental favor to do its own good job.

Washington Talks

—*Continued from page 5*

which will permit construction to go ahead on churches; fire and police stations, jails; YMCA's and boys clubs; orphanages, homes for aged; and community buildings which have been applied for to that authority. In addition, I can reveal that NPA is now starting to issue authorizations for materials which will allow the resumption of construction on every partially-constructed building in the United States for which applications to continue work has been filed with NPA."

However, the screws are being tightened on industry expansions. Before any tax amortization certificate is granted to any new proposed plant, the owners will have to get a determination from DPA before construction is begun that the new plant is essential.

Little Business Asks Bigger Bite

Little business is asking for a bigger share of the tax amortization benefits being handed out under the industrial expansion program. Small Defense Plants Administrator Telford Taylor has asked the DPA to earmark a definite percentage of an industry expansion program for little firms, and hold this amount in escrow until it is reasonably certain that the little firms don't want "in" on the program.

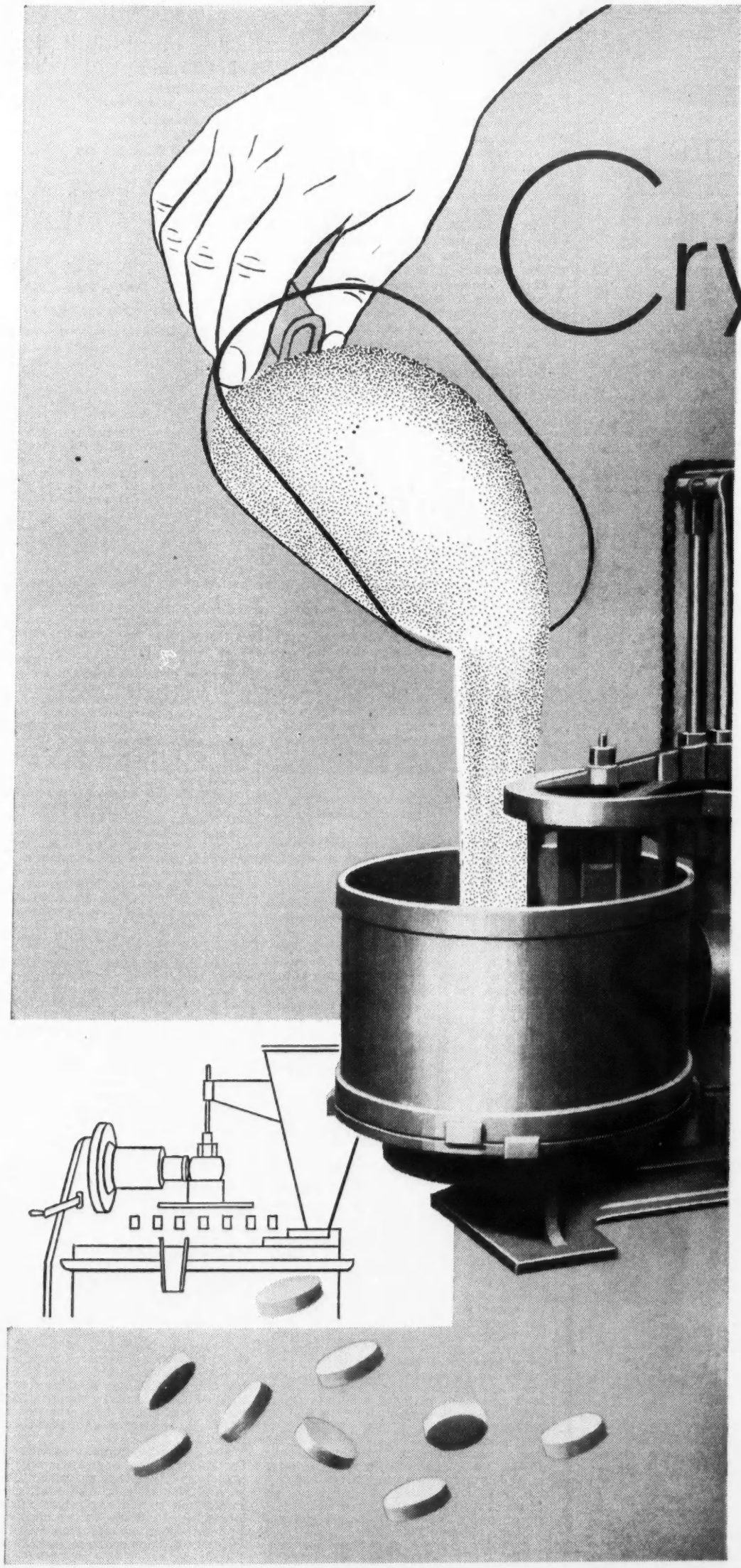
Studies made by Mr. Taylor's organization indicate that only 10 percent of the value of new facilities for which certificates of necessity have been issued have gone to firms with fewer than 500 employees. In contrast, firms of this size accounted for 42 percent of all the production workers employed in manufacturing in 1949, while the government contracts committee of NAM has arrived at the higher figure of 43 percent as an "equitable percentage" for participation in defense production by such firms.

At the present time, DPA provides special treatment for tax amortization applications covering expansions of $100,000 or less as a means of giving little business a better break. But, as it can be readily seen, this would not necessarily be an aid to little firms because there are plenty of big firms with applications for small amounts, while on the other hand a number of small firms have expansion needs much greater than the $100,000 limit. For this reason, Mr. Taylor is asking that the guide for separate treatment of applications be on the size of the firm, rather than the cost of proposed construction.

Washington in Brief

Now with NPA are Willard deCamp Crater, jr., assistant manager of vinyl sales for Naugatuck Chemical Division of United States Rubber Company (as chief of thermoplastic section of NPA's chemical division, and Norman S. Mount, advertising and technical sales manager of Ohio-Apex, Inc. . . . Milton C. James to retire March 31 as assistant director of Fish and Wildlife Service . . . Dr. Randal McGavock Robertson succeeds Dr. Thomas J. Killian as science director of Office of Naval Research . . . Harold R. Austin, president of M. W. Kellogg Company and Kellex Corporation, named vice-chairman for production and requirements of Munitions Board.

Department of Defense Research and Development Board gets Dr. Norman A. Shepard, American Cyanamid Company, as chairman of a committee on materials, and Dr. J. B. Austin, director of research for United States Steel Company, as member of committee on chemical warfare . . . National Bureau of Standards Handbook 48, "Control and Removal of Radioactive Contamination in Laboratories," now available from Government Printing Office at 15 cents . . . A. E. Van Cleve, vice-president of Crucible Steel Company of America, named special assistant for security matters to Under Secretary of the Army . . . Carroll D. Fentress, special assistant to Deputy Petroleum Administrator, in new post of executive secretary of Petroleum Administration for Defense.



Pfizer

Crystalets*

Stabilized VITAMIN A

CUT PRODUCTION COSTS ALL ALONG THE LINE!

• Through Pfizer's unique process, Crystalline Vitamin A Acetate is enveloped in a matrix of gelatin and sugar to form *dry, free-flowing granules*. This highly practical form of Vitamin A has many advantages that will help cut production costs all along the line.

CRYSTALETS ARE HIGHLY STABLE!

The gelatin coating protects the pure crystals of Vitamin A from atmospheric oxidation. Tests have shown that Crystalets, in pharmaceutical formulations, retain a higher percentage of original potency than any other Vitamin A product commercially available today. This makes it possible to prepare tablets, capsules and other dry products that have practically no vitamin loss during long periods of storage. There's no need to be concerned about their compatibility with other ingredients.

EXCESS OVERAGES ARE NOT REQUIRED!

The remarkable stability noted above indicates very little overage will be required to meet labeled claims. You'll get more production from the same number of Vitamin A units you've bought in the past.

HANDLING IS SIMPLIFIED!

No undue precautions are required in handling Crystalets. Equipment will not be tied up while you run extra assays. With Crystalets you can achieve precise control with every batch.

Crystalets, *standardized* at a potency of 500,000 USP units/gm, are available in 4 mesh sizes. Packaged in bottles and drums. For more information, write:

CHAS. PFIZER & CO., INC.

630 Flushing Ave., Brooklyn 6, N. Y.
425 North Michigan Ave., Chicago 11, Ill.
605 Third St., San Francisco 7, Calif.

* TRADE MARK

PFIZER QUALITY ®

PFIZER

Pioneers and
Leading Manufacturers of Vitamins

COLUMBIA-SOUTHERN

COLUMBIA-SOUTHERN
CHEMICAL CORPORATION
FIFTH AVENUE AT BELLEFIELD
PITTSBURGH 13, PENNSYLVANIA
BOSTON • CHARLOTTE • CHICAGO
CINCINNATI • CLEVELAND • DALLAS
HOUSTON • MINNEAPOLIS • NEW ORLEANS
NEW YORK • PHILADELPHIA • PITTSBURGH
ST. LOUIS

LIQUID
CHLORINE
55, 30 and 16 Ton
Single Unit Cars
15 Ton Multiple Unit Cars
100 and 150 lb.
Steel Cylinders

COLUMBIA-SOUTHERN
CHEMICAL CORPORATION
SUBSIDIARY OF PITTSBURGH PLATE GLASS COMPANY

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
CHURCH & DWIGHT CO., Inc.
70 PINE STREET Phone Digby 4-2187 NEW YORK 5, N. Y.

F. M. BROWNING COMPANY
Chemicals for all Industries
• QUALITY
• RELIABILITY
• SERVICE
• PRICES
We supply, among others, the following:
PHENOL U. S. P.
PHTHALIC ANHYDRIDE
TITANIUM DIOXIDE
F. M. BROWNING COMPANY
Industrial Chemicals & Allied Products
150 BROADWAY NEW YORK 38, N. Y. Tel. REctor 2-0773
Cable Address: BROCHEMO

Heavy Chemicals

Quicksilver was priced higher last week although there was no important increase in consuming demand. According to trade reports, withdrawal of spot quicksilver resulted in a squeeze which had the appearance of being temporary. NPA will eliminate controls on the use of lead production of storage batteries and abandon restriction on certain end uses of the metal. The prime aluminum products industry advisory committee has recommended that NPA promptly consider increasing allotments of aluminum in the second quarter to specific segments of civilian industry to minimize unemployment and economic hardship. Tin can manufacturers have been told that NPA will make available a sizable additional amount of secondary tin mill products for use in the second quarter.

Buying interest in heavy chemicals showed no appreciable expansion during the past week. Demand at best was spotty while the overall supply position continued to ease. It was stated that many consumers are not taking contract withdrawals in full and that spot stocks are becoming more readily available particularly in chemicals that have remained tight over a prolonged period. Some trade authorities expressed the opinion that even if the government turns loose an increase in defense orders later in the year, the impact will not seriously affect market conditions owing to the increase of first hand inventories and the facilities to produce at a high level.

Domestic production of industrially important inorganic chemicals was generally lower for December than for November, 1951, but was slightly higher than for December, 1950, according to the Bureau of the Census. Compared with November, 1951, decreases were reported for 34 of the 57 chemicals included in the Bureau's monthly survey, while increases were noted for 20. In comparing December, 1951, production for the 37 chemicals included in this report for December, 1950, 20 were recorded in larger quantities and 14 were produced in smaller volume.

Gains in the output of synthetic anhydrous ammonia, chlorine gas, nitric acid, sodium tripolyphosphate, electrolytic caustic soda liquid were again reported and the December figures for these chemicals established new all time monthly highs. The December production of ammonium nitrate, dicalcium phosphate, hydrogen and sodium metaphosphate also exceeded the amounts recorded for November as well as for those for December, 1950. However, in comparison with the output for November, 1951, and for December, 1950, declines were noted in soda ash and sodium bicarbonate.

Paper production based on a percentage of six-day capacity was 97.3 percent for the week ending February 23, according to the American Paper and Pulp Association. This compared with 97.5 in the preceding week and 102.4 for the corresponding week in 1951.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce.

Ammonia Liquor — Total production during 1951 amounted to 49,706,052 pounds, according to the Bureau of Mines. In 1950 production amounted to 46,773,669 pounds. Total sales last year were 37,743,556 pounds, compared with 43,162,889 in 1950.

Calcium Chloride—Buying interest for ice control not as active as formerly noted. The approach of Spring weather has taken the usual edge off demand. The supply situation remained relatively comfortable throughout the Winter months.

Calcium Phosphate—Dibasic production was sustained throughout December. The total amounted to 3,646 tons, compared with 3,476 in November and 2,783 tons in November, 1950.

Carbon Dioxide—Production of liquid and gas in December, 1951, amounted to 19,094 tons, compared with a revised total of 17,772 in the preceding month and 15,820 tons in December, 1950. Production of solid, dry ice, in December was 27,994 tons, against 30,586 in November and 26,165 tons in December, 1950.

Chlorine—Supply conditions are generally tight, although the urgency for shipments appeared less and more spot tankcars are reaching the market under slower contract withdrawals. December production was the highest on record. The total for chlorine gas stood at 228,949 tons, compared with a revised amount of 219,250 in November and 193,825 tons in December, 1950.

Cobalt Hydrate—November, 1951, production was placed at 8,246 pounds by the Bureau of Mines, against 33,019 in the preceding month. November shipments totaled 16,359 pounds and stocks on November 30 amounted to 10,971 pounds.

Copper Sulphate—Agricultural inquiries have continued to increase, with Maine and practically every important eastern area represented. Industrial demand has not reflected any easement, the steel plants being particularly heavy users. Export inquiry was active and leaning toward expansion. May was given as the earliest shipment with considerable tonnage booked for that month.

Fluorspar—Production and shipments of fluorspar of domestic origin of all grades were 26,170 and 27,509 short tons, respectively, in December, 1951, decreases of 14 and 8 percent from November, according to the Bureau of Mines. Of the shipments of metallurgical-grade fluorspar in December, 10,492 tons were from the Illinois-Kentucky district and 1,219 tons were from Nevada and Utah. Of the shipments from Illinois and Kentucky in December, 5,333 tons were shipped by barge on the Ohio River, compared with 4,945 tons in November. Imports in December were 26,377 tons, compared with 15,461 tons in November; the December imports came from Germany, Italy, Mexico, and Spain.

Potash, Caustic—Demand has continued to follow rather spotty lines. Producers have stocks available for immediate shipment at former price levels. December, 1951, output is placed at 5,194 tons, compared with 5,230 in November.

Potassium Carbonate—Market situation continued relatively quiet, with no important expansion in demand from the glass specialty plants. December production of calcined and hydrated totaled 1,578 tons, against 1,224 tons in the preceding month.

Potassium Chlorate—No unusual activity last week. Demand from match factories has slowed down temporarily and producers are in a position to offer prompt shipments. December, 1951, production amounted to 800 tons, compared with 736 in November.

Salt Cake—Contract withdrawals by the Kraft paper mills are described as fair, with suppliers meeting requirements without difficulty. Production of crude commercial in December, 1951, amounted to 54,197 tons, compared with 59,303 in November and 62,015 tons in December, 1950.

Soda Ash—Industrial demand was not strong enough to tighten the supply position. There appeared to be plenty of stocks available both for immediate and future shipments. Production of finished light ash by the ammonia-soda process in December, 1951, was 188,330 tons, compared with 204,210 in the preceding month and 217,375 tons in December, 1950. Output of finished dense ash in December amounted to 129,769 tons, against 125,681 in November and 161,167 tons in December, 1950. Production of natural soda ash in December totaled 23,914 tons, compared with 27,362 in November and 29,093 tons in December, 1950.

Soda, Caustic—Supplies appeared readily available for immediate or forward shipments while the movement into consuming channels continued relatively slow. Production by the electrolytic process in December, 1951, was at the highest level ever recorded. The total amounted to 218,087 tons of liquid containing 37,529 tons of solid, compared with a revised amount of 213,833 tons of liquid, including 36,034 tons of solid in November, and 188,910

Market Trends

Prices Advanced

Quicksilver, $6 per flask.

Prices Reduced

None

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Mar. 2, 1951
249.2	249.2	249.2	223.4	244.9

Acids

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Mar. 2, 1951
124.1	124.1	124.1	121.9	126.1

(*For Current Prices see Page 9*)

For Late Market Developments, See Page 4

ANTIMONY

Philipp Brothers, Inc.

70 PINE STREET · NEW YORK 5, N. Y.

BOwling Green 9-1313

Cables: PHIBRO, New York

PHILIPP BROTHERS (Canada) Ltd., Montreal, QUEBEC
PHILIPP BROTHERS (Holland) N.V., AMSTERDAM

ORES - METALS

FERRO-ALLOYS

METALLIC RESIDUES

Phibro

CHEMICALS

For LACQUER & PAINT

In tank car, tank wagon, carload drums and less carload drums

In view of the rapidly changing conditions in the chemical market, it is advisable that all consumers have their 1952 requirements under contract. Write, wire, or phone for our representative.

Philipp Brothers Chemicals, Inc.

37 WALL STREET • NEW YORK 5, N. Y. • HAnover 2-4676

BOSTON 10, MASS. • PORTLAND, CONN.
PROVIDENCE 3, R.I. • PHILADELPHIA 6, PA.
BALTIMORE 1, MD.

Cable Address: PHIBROCHEM NEW YORK

ACETONE — ISOPROPYL ALCOHOL — MEK — MIBK

ETHYL & BUTYL ACETATE — TURPENTINE — METHANOL

PLASTICIZERS — LITHOPONE — GLYCOLS, ETHYLENE DICHLORIDE

Croton for Chemicals

BORAX

BORIC ACID

CROTON CHEMICAL CORPORATION
114 LIBERTY STREET, NEW YORK, 6, N. Y. PHONE RECTOR 2-0403

PRUSSIATE OF SODA
HENRY BOWER CHEMICAL MFG. COMPANY
30TH & GRAYS FERRY RD. PHILADELPHIA 46, PENNA.

BOUGHT — SOLD
TITANIUMS — PHENOL — PYRIDINE 2°
GLYCERINE — GLYCOLS — CELLOSOLVES
PHTHALIC ANHY. — BICHROMATES — ZN. OXIDE
FORMIC ACID 85% — ZN. STEARATE — UREA
Inquiries and offerings—other items solicited.
Chemical Service Corporation
88 BEAVER ST., NEW YORK 5, N. Y.
HAnover 2-6970 EST 1925

ERCO — ELECTRIC REDUCTION COMPANY OF CANADA LTD. — MADE IN CANADA
BUY BY BRAND
HIGHEST QUALITY and STABILITY

phosphorus
red,
amorphous
(STABILIZED)

phosphorus
sesquisulphide
powder

Manufactured by
ELECTRIC REDUCTION COMPANY OF CANADA, LTD.
BUCKINGHAM, QUEBEC
Exclusive Export Agents

DUFF CHEMICAL COMPANY, INC.
342 Madison Avenue MUrray Hill 7-6502
New York 17, N. Y. Cable Address "Chemduf"

tons of liquid containing 24,815 tons of solid in December, 1950. Output by the lime-soda process in December was 54,712 tons of liquid, including 13,772 tons of solid, compared with a revised total of 55,554 tons of liquid containing 13,516 tons of solid in November and 58,096 tons of liquid, including 14,306 tons of solid in December, 1950.

Sodium Bicarbonate — No shortage of stocks at present. Production was down to 8,497 tons of refined in December, 1951, compared with 11,945 in the preceding month and 19,424 tons in December, 1950.

Sodium Chlorate—Remained available for prompt shipment. Inquiry has started for weed control preparations, although demand to date has not been of broad enough dimensions to tighten the market position. December, 1951, production amounted to 3,330 tons, compared with 3,069 in November.

Sodium Phosphate — December, 1951, production of monobasic amounted to 1,536 tons, compared with 1,582 in the preceding month and 1,795 tons in December, 1950. December output of dibasic was 12,914 tons, against 13,612 in November and 12,791 tons in December, 1950. Production of tribasic in December was 3,592 tons, compared with 4,366 in the previous month and 6,942 tons in December, 1950.

Acids

Acetic—Glacial demand relatively quiet with most of the activity confined to the southern area. Supply conditions comfortable, with prompt shipments available. Price position sustained on the basis of 9c. per pound in tankcars, works.

Chromic — Buying interest moderate, with demand somewhat restricted by the stringency in nickel. Platers not eager to increase inventories at present. Immediate shipments were obtainable at prices current.

Hydrofluoric—Stocks not in free supply, but available. A lot of material has been shipped for government requirements where it finds usage into the manufacture of high octane motor fuel and other essential items. A sizable expansion in production is planned for the next three years. December, 1951, production of anhydrous and technical amounted to 3,464 tons, compared with 3,824 in November and 3,088 in December, 1950.

Muriatic — Consuming demand not urgent. Stocks fully equal to requirements. December, 1951, production placed at 58,222 tons, including 13,420 made from salt and acid, 9,382 from chlorine and hydrogen and 35,420 tons from byproduct and other sources.

Nitric — December, 1951, production amounted to 135,516 tons, an all-time high. November output was 133,790 tons, and in December, 1950, output was 133,483 tons.

Sulphuric—Regardless of the tight supply condition, consumers in some instances, are not taking full contract withdrawals and this allows an occasional spot tank to reach the open market. In producing quarters, it was stated that pressure for shipments has lessened appreciably of late.

A plant at Haifa, Israel, which began production in 1949, has an annual capacity of 12,000 metric tons of sulphuric acid and 40,000 tons of superphosphate. Expansion of the plant will increase capacity to 23,000 tons and 60,000 tons, respectively. When the factory is expanded, it is also planned to produce 25,000 tons of ammonium sulphate, 3,000 tons of nitric acid, and 100 tons of oleum annually.

Nonferrous Metals

Aluminum—Domestic production of primary aluminum in 1951 was approximately 836,900 short tons. This was an increase of 16 percent over 1950, but fell short of the production expected at the start of the year by about 7,000 tons, according to the Bureau of Mines. Increased production was accomplished in each succeeding quarter; production in the first quarter was 200,700 tons and 217,400 tons in the fourth quarter. About 12,600 tons of production was lost because of strikes and power shortages. Two strikes, one at Listerhill plant in May, and a second at Troutdale in December caused production losses estimated at 8,200 tons. Other losses occurred as a result of a power interruption in the Pacific northwest during the low water period in September. Full power was returned to the Pacific northwest reduction plants on October 1, but capacity production was not attained until November.

Copper—Accelerated United States defense program resulting from the outbreak in 1950 of hostilities in Korea, brought a return in 1951 of the critical copper supply situation that characterized much of the World War II period, according to the Bureau of Mines; indications were that a more stringent supply-requirements relationship would develop in 1952 when consumption for defense purposes rises to planned levels.

Lead—NPA will eliminate controls on the use of lead production of storage batteries and will abandon its restriction on certain end uses of the metal. Plans are also being made to increase from 30 days to 60 days the size of inventories which consumers may hold.

Quicksilver—While there was no significant increase in buying interest, the market closed higher. According to trade reports, a sort of squeeze has developed as a result of the withdrawal of spot offerings. The situation is expected to be temporary but meanwhile, March-April arrivals were held at $207 to $208 per flask.

San Francisco.—Very little activity was reported during the past week as buying interest remained quiet. Metal quotations were unchanged ranging from $205 to $208 per flask.

Tin—According to NPA, 68,000 tons of secondary tin mill products will be made available to tin can manufacturers during the second quarter. Packers will also be allowed to use cans made from such material without counting them against their quotas.

Distribution!
Seventeen Mid-Western warehouses and ninety trained salesmen assure efficient distribution of your product.
THOMPSON-HAYWARD CHEMICAL CO.
Kansas City, Mo.

'way out in front...
AERO* BRAND PRUSSIATES
yellow prussiate of soda (99%+)
yellow prussiate of potash (99%+)
- *The standard of quality*
- **Manufacture carefully controlled, based on our own raw materials**
- **Extremely high uniformity**

All these advantages are yours when you order from Cyanamid... a sure, reliable source of supply for prussiates.

AERO Brand Prussiates are available in convenient 100-pound net paper bags.

*Trade-mark
American Cyanamid COMPANY
Industrial Chemicals Division
30 Rockefeller Plaza, New York 20, N.Y.
In Canada: North American Cyanamid Limited, Toronto and Montreal

Monsanto Co. Reassigns Ten To Organic Chemicals Posts

Monsanto Chemical Company, St. Louis, Mo., has reassigned ten members of its organic chemicals division to new posts. Dr. George W. Steahly, group leader in the division's laboratories at St. Louis, has been named assistant director of research at Monsanto's laboratories in Nitro, W. Va. Monte C. Throdahl, assistant research director at Nitro, will remain there as manager of the rubber chemicals section in the development department of the division.

Three new group leaders in the division's research department have been appointed. They are:—Phillip P. Wallace, who will be in charge of greenhouse activities in St. Louis; Lloyd E. Weeks, who will work in Dayton, Ohio, and will be responsible for certain phases of application research on "Krilium" soil conditioner, and Warn D. Robinson, who will take over the duties formerly handled by Dr. Steahly.

Paul M. Downey, group leader at Nitro, will assume the additional responsibility for the Nitro rubber-application laboratory. He will also help coordinate research, development and sales activities for rubber chemicals. Other additions to the St. Louis laboratories of the organic research department are Dr. John C. Kleyn and Harry G. Hurst, both of whom were formerly members of the organic chemicals division development department. They will continue in the microbiological laboratory.

Claiborne L. Barber has been named agricultural chemicals sales supervisor for the division in St. Louis. He will be associated with the division's agricultural and special chemicals sales department. Donald E. Marriner will replace Mr. Barber at the division's sales office in Houston, Tex.

Stein, Hall & Co. Elects

Stein, Hall & Co., New York, has elected Robert Strasser executive vice-president and Joseph C. Blauvelt, Sadie Feldman and Daniel H. Lipman vice-presidents of the company. Ernest Rusch has been elected assistant vice-president. Lawrence Gussman, vice-president in charge of manufacturing and technical research, has been elected president of the Stein-Davies Company, Long Island City, N. Y., Stein, Hall's manufacturing subsidiary. S. Crawford Bonow has been elected assistant vice-president and Frank G. Fackler has been named plant superintendent of Stein-Davies

Scottish Sulphuric Acid Plant Under Construction

Scottish Agricultural Industries, Ltd., has announced that it has a new sulphuric acid plant under construction at Aberdeen, Scotland. A pyrites-burning unit which will incorporate German processes, the new plant will have a rated capacity of 37,000 tons of 100 percent sulphuric acid annually. It is expected to get into production by the end of this year.

Dexter Buys Lake Chemical

The Dexter Chemical Corporation, New York, has announced the acquisition of Lake Chemical Corporation, including rights to all former Lake trademarks and tradenames. Lake specializes in detergents, wetting agents, finishes and other processing assistants used primarily by the dyeing and finishing industry in the New York and New Jersey areas. The textile chemical division of Dexter plans to produce the products formerly offered by Lake, in addition to its own line of processing agents. Al Rappaport, who was eastern sales manager for the Lake concern, will be retained by Dexter as sales representative in the metropolitan New York area.

Consolidated Elects Bond

Consolidated Chemical Industries, Inc., San Francisco, Calif., has elected George L. Bond president of the company to fill the vacancy created by the death of his father-in-law, Solomon Feiser. Mr. Bond has been associated with Consolidated Chemical since 1926.

Trade Briefs

Sheldon G. Lowry has joined the Health Information Foundation on a special assignment related to a study of industry health plans.

Nuclear Instrument & Chemical Corporation, Chicago, has enlarged its plant area 20 percent by acquiring additional space in its present building.

Not Bread Alone

Needs Stable Texture

Research by Snell

The manner of the union of particles makes or breaks the formulation of any product.

Permanency of molecular accord is inherent for the lasting "stabilization".

Whether it be a paint, varnish, wax, polish, cosmetic, proprietary, detergent or food, we are versed in the procedures to assure balanced texture.

We cordially invite you to aquaint yourself with our scope to serve you today for a better tomorrow.

RESEARCH LABORATORIES
Foster D. Snell INC.
CHEMISTS · ENGINEERS
29 WEST 15TH ST. NEW YORK 11, N.Y. WA. 4-6800

PHTHALIC ANHYDRIDE
▼
DIMETHYL PHTHALATE
▼
INSECT REPELLENT
▼
LAURYL ALCOHOL
▼
BIRCH PRODUCTS CORP.
369 LEXINGTON AVENUE NEW YORK 17, N. Y.
Telephone: MUrray Hill 5-6658

EXTRA HIGH QUALITY 99.7+% PURE
CHROMIC ACID
TECHNICAL GRADE—FLAKE

We have yet to have a legitimate complaint on the quality of B.F.C. Chromic Acid. Its chemical analysis is as fine as its physical appearance!

DEPENDABLY UNIFORM
Our plant is modern; beautifully equipped; operated by men who are proud of the product they make.

FRIENDLY, PERSONAL SERVICE
You can get a quick, unequivocal "Yes" or "No" on your Chromic Acid requirements from interested owner-principals who value your business.

One Price. One Standard of Quality and Service to all—whether the market is short or long. Distributor Stocks in many Principal Cities.

BETTER FINISHES & COATINGS, INC.
268 Doremus Avenue, Newark 5, N. J.
122 East 7th St., Los Angeles 14, Calif.
BFC PAINTS · PLASTICS · CHEMICALS

WE WILL BUY YOUR
Surplus Chemicals
SOLVENTS WAXES OILS
RESINS DRUGS ETC.
WIRE OR PHONE
FOR IMMEDIATE DELIVERY
All offers held in strictest confidence
Barclay CHEMICAL COMPANY, INC.
77 VARICK STREET NEW YORK 13, N.Y. · WO 4-5120

CRYSTAL UREA
Iodine — Polyvinyl Acetate Emulsions
Direct Imports from Leading European Manufacturer to American Consumer
L. D. PETERS & SONS, 1133 Broadway, New York 10, N. Y.
ALgonquin 5-8580 Cables: PETSONMACH, NEW YORK

BARIUM CHLORIDE
E. M. SERGEANT PULP and CHEMICAL CO., INC.
7 DEY STREET Established 1867 NEW YORK 7, N. Y.

POINT 4 PROGRAM in EUROPE
OPPORTUNITY for OVERSEAS EXPANSION
All starts . . . . . .
. . . . . with an idea
Established importer plans to create chemical producing units in Antwerp-freeport as licensee and in joint account with U.S. enterprises.
Chemical and related products more or less exclusively manufactured in USA, hampered in their distribution through chronic European Dollar-shortage should be logical choice.
Your suggestion will be carefully studied by:
Florent M. L. SCHRIJVERS,
Av. d'Italie 84, Antwerp (Belgium)

Miles, Monsanto Salesman In N.Y. Office, Retires

Harry B. Miles, sales representative for Monsanto Chemical Company's organic chemicals division in the New York district for nearly twenty-nine years, has retired. Mr. Miles handled many of the company's largest eastern accounts.

James D. Wright, resident sales representative at Buffalo, N. Y., has been transferred to Pittsburgh, Pa. W. Kenneth Conwell and George D. Stewart, both in the New York office, will now work out of Philadelphia. Roy P. Sullivan, of the division's sales office at St. Louis, Mo., has been named resident salesman at Syracuse, N. Y., replacing James A. Singmaster, who was recently appointed assistant general branch manager at the New York office.

Dow Export Subsidiaries Add H.L. Clack to Staff

H. L. Clack has joined the staff of Dow Chemical Company's new export subsidiaries, it has been announced by Clayton S. Shoemaker, president of Dow Chemical Inter-American Limited and Dow Chemical International Limited. Mr. Clack, formerly of Dow's coatings technical service, will assume his new duties at the Midland, Mich., headquarters upon completion of a training course.

N. R. Peterson, manager of coatings technical service, has named Lloyd Silvernail to succeed Mr. Clack. Mr. Silvernail worked in the cellulose products department for six years prior to moving to the paint section of coatings technical service last year.

Detrex Appoints Emmett

Detrex Corporation, Detroit, Mich., has named John P. Emmett manager of the newly-created new products department. In his new post, Mr. Emmett will handle the market research and sales development of all new products while they are in the pre-marketing phases. He has been with Detrex for six years, during part of which time he served as assistant sales manager of the drycleaning division.

Metal Can Shipments: Dec.

Total shipments of metal cans during December were 11 percent under November and 33 percent below December, 1950, according to the Bureau of Census. These figures are based on metal can shipments expressed in terms of weights of steel consumed in the manufacture of the cans shipped. In December, metal can shipments amounted to 235,107 short tons, as compared with 263,468 short tons in November and 353,338 short tons in December, 1950.

Cowles Honors Bassett

Edward S. Bassett, secretary of Cowles Chemical Company, Cleveland, Ohio, was honored at a luncheon held recently at the Wade Park Manor hotel in that city. At the affair, which was attended by all Cleveland employees of the company, Mr. Bassett received a gold pin for thirty years of service with Cowles from Robert F. Huntley, vice-president and general manager. Mr. Bassett, a Cowles director since 1918, served as president of the company from 1930 to 1938. He was board chairman from 1938 until 1941, when that office was abolished and he became secretary.

TC TENNESSEE CORPORATION
SODIUM FLUOSILICATE
(Silico Fluoride)
Inquiries Invited
TENNESSEE TC CORPORATION
1020 CONNECTICUT AVE., N. W.
WASHINGTON 6, D. C.

OFFER
SODIUM HYDROSULFITE
TITANIUM DIOXIDE
CHROMIC ACID
DIBUTYL PHTHALATE
The J. M. Baird Company
Cables: JOMBAIRD
254 W. 31st STREET, NEW YORK 1, N. Y. LAckawanna 4-8961

Manufacturers of
ALUMINUM NITRATE C.P.-TECH.
SELDNER & ENEQUIST, INC.
Est. 1902
86 Hausman St., Brooklyn, 22, N.Y. EVergreen 8-7430

KOLON TRADING CO. INC.
BROKERS
We Invite Your Offers and Inquiries
Cables: "KOLONOWAN" 15 PARK ROW, NEW YORK 38, N.Y. Tel.: BEekman 3-8820-21

CHEMICAL IRON
GROUND TO SPECIFICATION
GAS PURIFYING MATERIALS CO. INC.
3-15 26th Ave., Long Island City 2, N.Y.
Sales Agents: MILLMASTER CHEMICAL CORP., 11 West 42nd Street, New York 36, N. Y.

Bids Wanted

Cadmium oxide, 6,400 pounds, and 8,200 pounds cadmium balls, Navy Purchasing Office, Main Navy Bldg., 17th St. and Constitution Ave. N. W., Washington 25, D. C., invitation 5928-B, March 12.

Diatomaceous earth, 136,550 pounds, Purchasing and Contracting Office, Department of the Army, Joliet Arsenal, Joliet, Ill., invitation 171-19, March 6.

Drugs and chemicals, Contracting Office, Chemical Corps, Army Chemical Center, Md., 9,000 gallons isopropyl alcohol, invitation 376-G, March 6; 3 tons calcium chloride, 30 tons methylene chloride, 9,000 gallons heating medium, invitation 43, March 11; Corps of Engineers, Vicksburg District, P.O. Box 60, Vicksburg, Miss., herbicide ammonium sulphate 83,300 pounds in non-returnable containers, 38 gallons wetting agent, invitation CIVENG-137, March 27; Armed Services Medical Procurement Agency, 84 Sands St., Brooklyn 1, N. Y.:—silicate cement, 1,920 ½-oz. packages light, 3,618 packages light yellow, 4,992 packages light yellow gray, 2,688 packages medium yellow, 3,840 packages gray medium yellow, 720 4½-pounds cans inlay investment control powder, 1,992 packages clear denture base acrylic resin, 4,752 2-oz. sticks rouge, invitation 1130, March 7; 864 cans Benedict's reagent powder, 400,000 ¼ lb. cans ether for anesthesia, invitation 1135, March 7; 35,080 bottles of 1,000 acetylsalicylic acid tablets, 214,704 boxes of 6 d-amphetamine sulphate tablets, 4,992 packages of 12 ergonovine maleate injection, invitation 1140, March 10; 5,112 bottles of 500 pentobarbital sodium tablets, invitation 1137, March 6, 576 ¼ lb. bottles ammonium acetate, invitation 2259N, March 10; 43,440 bottles of 1,000 sulphadiazin tablets, invitation 1141, March 10; 220,000 packages smallpox vaccine, invitation 2267-N, March 14; 8,928 1 lb. bottles of benzene, invitation 2260-N, March 14; 14,400 ⅛-oz. boxes bacitracin ophthalmic ointment, invitation 2268-N, March 14; 384 boxes acetarsone tampons, 32,256 ¼-pint bottles ammonia spirit, aromatic, 9,216 ⅛-oz. boxes boric acid ophthalmic ointment, 25,344 tubes crotamiton ointment, invitation 1151, March 14, 192 ¼ lb. tubes beef extract, 960 1 oz. bottles powdered belladonna extract, 216 1 lb. bottles bismuth sulphite agar, 576 bottles brilliant green, 552 1 lb. bottles brilliant green bile broth, and 384 ¼ lb. bottles butyl alcohol, invitation 1150, March 14; New York Quartermaster Procurement Agency, 111 E. 16 St., New York 3, N. Y., 90,000 4½-oz. cans flashburn protective cream, invitation 1160, March 13; Chief, Purchase Section Federal Supply Services Administration, room 528 U. S. Court House, 219 S. Clark St., Chicago, Ill., 116,100 pounds chemicals, 9,444 containers auto furniture polish, 4,284 containers deodorizers, 2,040 pounds sanitation powder, 690 gallons disinfectant, 636 approx. 1 lb. insecticide bombs, 432 pounds naphthalene flakes, invitation WCH-51033, about March 7; Contracting Officer, Veterans Administration Hospital, Lyons, N. J., 20 5-gal. drums insecticide, 450 100-lb. drums insecticide, 1 100-lb. drum fertilizer, 60 tons fertilizer, 2 50-gal drums miscible oil spray, 12 cases of dozen 3-lb. bags fungicide, 16 25-lb. drums fungicide, 150 gallons fungicide, 150 gallons "Select-O-Weed," 1 50 gallon weed killer, 16 tons dressing for golf greens, 5 5-lb. packages tri-toxcide, 5 gallon cans tree paint, 5 cases of dozen 4-lb. bags arsenate lead, invitation 228, March 7.

Lead, pig, 9,000 pounds, Transportation Corp., Procurement Office, Columbus General Depot, Warehouse 1, Section 1, Columbus 15, Ohio, invitation 554, March 6.

Oils and greases, Purchasing and Contracting Office, Raritan Arsenal, Metuchen, N. J., 130,800 cans lubricating oil, f.o.b. Lordstown, Ohio, 130,008 cans of same, invitation 172, March 13; 130,008 4-oz.cans of preservative lubricating oil, f.o.b. Mt. Rainier Ordnance, Washington, 130,008 cans of same, Pueblo Ordnance, invitation 173, March 13; 8,250 gallons soluble cutting oil, f.o.b. Pueblo, 5,500 gallons of same, Lordstown, Ohio, invitation 178, March 17; Contracting Officer, Armed Services Petroleum Purchasing Agency, Washington 25, D. C., various compounds, greases, lubricants and oils, invitation 50-B, March 20.

Paints and allied products, Corps of Engineers, Office of the District Engineer, St. Louis District, 834 Court House and Custom House, St. Louis 1, Mo., 200,000 pounds waterproof roofing asphalt, invitation 631, March 13, Philadedphia Navy Yard, Philadelphia, Pa., 1,000 gallons vinyl red lead primer, formula 119, 1,000 gallons vinyl, antifouling, formula 121, 1,000 gallons vinyl, antifouling, black gross, formula 122-1, invitation 517-966, March 7; Chief, Purchase Division Federal Supply Service, 620 Post Office and Court House, Boston 9, Mass., 262 gallons oil, 42 quarts of enamel, 20 gallons flatting oil, 1,702 gallons paint, 12 gallons, 392 quarts 12½ pints pigment in oil, 84 pounds aluminum pigment, 6,150 pounds white lead, 90 gallons primer paint, 660 gallons paint thinner, 36 gallons asphalt varnish, 160 gallons interior varnish, 90 gallons shellac varnish, 60 gallons water-resistant spar varnish, 420 gallons varnish base paint, invitation W-1-121, March 14; Chief, Purchase Branch, Federal Supply Service, General Services Administration, 7th and D Sts. S. W., Washington 25, D. C., 1,640 gallons enamel, 12,500 gallons oil paint, invitation 3G-7900-R, bids postponed from February 29 to March 6.

Wax, Civil Aeronautic Administration, Chief, Supplies and Services Branch, Technical Development and Evaluation Center, P. O. Box 5767, Indianapolis 21, Ind., 450 gallons floor wax, invitation 32-337, March 7; Federal Supply Service, General Services Administration, 250 Hudson St., New York 13, N. Y., 22,000 gallons wax, water emulsion, invitation NY-3B-36180, about March 10; Purchasing and Contracting Office, Bldg. 29, Fort McPherson, Ga., 66,055 gallons floor wax, water emulsion, invitation 21, March 10.

Zinc oxide, 1,878,734 pounds, gr. 2, class 2, Commanding Officer, New York Chemical Procurement District, 180 Varick St., New York 14, N. Y., f.o.b. Pine Bluff, Ark., or carriers eq., invitation 47, March 12.

Chemicals

TRICHLOR-ETHYLENE

PERCHLOR-ETHYLENE

CARBON TETRA-CHLORIDE

Complete Warehouse Stocks • Technical Assistance on Caldwell Chemicals Always Available.

NEW YORK DETROIT

CALDWELL CHEMICAL CO., INC.

441 LEXINGTON AVENUE, NEW YORK 17, N. Y.

Manufacturers of

Red and Black **COPPER OXIDE**

COPPER SCALE

ROBERT A. COUPE, 260 Rhode Island Ave., PAWTUCKET, R. I.

Telephone PAwtucket 3-4944

POTASSIUM NITRATE

USP, Granular and Powder Grades

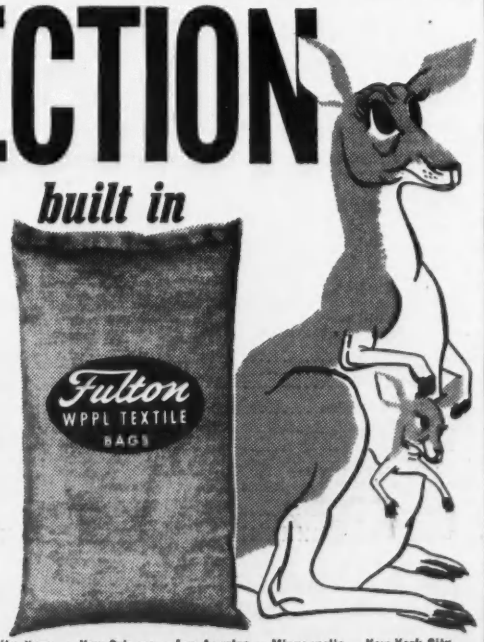
A product of Societe Belge de l'Azote et des Produits Chimiques du Marly. (Liege Belgium)

Samples and prices on request.

BELGAMERIC, INC., 350 Fifth Avenue, New York 1, Tel: WIsconsin 7-8522

PROTECTION *built in*

Fulton's W.P.P.L. (Waterproof Paper Lined) Bags provide built in protection for your product. An inner lining of tough crinkled Kraft paper, or plastic, is laminated with special adhesives to cotton or burlap . . . safely . . . surely . . . sealing in your product against the damaging effects of moisture, odors, or other outside influences. Many manufacturers have found that Fulton W.P.P.L. Bags give them *all* the advantages of more expensive rigid containers, with the economy and other savings of an easy-to-handle textile bag. For full details, write your nearest Fulton factory today!



Fulton BAG & COTTON MILLS

Atlanta • St. Louis • Dallas • Denver • Kansas City, Kans. • New Orleans • Los Angeles • Minneapolis • New York City

Stauffer CHEMICALS SINCE 1885

SULPHUR – Insoluble (for rubber compounding and other uses)

- Carbon Bisulphide
- Carbon Tetrachloride
- Caustic Soda
- Chlordane
- Chlorine
- Citric Acid
- BHC (Benzene Hexachloride)
- Borax
- Boric Acid
- Boron Trichloride
- Cream of Tartar
- DDT (Dichloro Diphenyl Trichloroethane)
- Fire Extinguisher Fluid
- Parathion
- Potassium Nitrate
- Rochelle Salt
- Silicon Tetrachloride
- Sodium Hydrosulphide
- Sulphur — (Specially processed for all industrial and agricultural uses)
- Sulphur Chloride
- Tartar Emetic
- Tartaric Acid
- Textile Stripper
- Titanium Tetrachloride
- Toxaphene

STAUFFER CHEMICAL COMPANY

420 Lexington Avenue, New York 17, N.Y. • 221 No. La Salle Street, Chicago 1, Illinois • 424 Ohio Bldg., Akron 3, O. • Apopka, Florida • 824 Wilshire Boulevard, Los Angeles 14, Calif. • 636 California Street, San Francisco 8, Cal. • North Portland, Oregon • Houston 2, Texas • Weslaco, Texas.

SILICATE OF SODA

40° and 60°

EXPORT – DOMESTIC

TURPENTINE - LINSEED OIL - MINERAL SPIRITS

CHAS. L. READ & CO., Inc., 120 Greenwich St., New York 6, N. Y.

Telephone: WOrth 4-1131

METOL

Monomethylparaminophenol Sulphate

Registered Trade-Mark

TANNIC ACID • GALLIC ACID

(U.S.P. and Technical Grades)

PYROGALLIC ACID • HYDROQUINONE

ZINSSER & COMPANY, Inc.

HASTINGS-ON-HUDSON, NEW YORK

AMMONIA

NH_3 NH_3 NH_3 NH_3

SPENCER GIVES YOU direct service . . . from strategic producing points to your plants.

SPENCER GIVES YOU dependable deliveries . . . from a large and never-failing source.

SPENCER GIVES YOU ammonia in three forms: Anhydrous Ammonia, Refrigeration Grade Ammonia and Aqua Ammonia.

SPENCER SPENCER SPENCER

America's Growing Name in Chemicals

Spencer also produces: Methanol • Formaldehyde • 83% Ammonium Nitrate Solution SPENSOL (Spencer Nitrogen Solutions) • Ammonium Nitrate Fertilizer FREZALL (Spencer Dry Ice) • Liquid Carbon Dioxide

Spencer Chemical Co., Dwight Bldg., Kansas City 6, Mo.

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
Reg. U. S. Pat. Off.

HIGRADE MURIATE OF POTASH
62/63% K_2O
GRANULAR MURIATE OF POTASH
48/52% K_2O
MANURE SALTS 20% K_2O Min.

UNITED STATES POTASH COMPANY, INCORPORATED
30 Rockefeller Plaza, New York 20, N. Y.

HEADQUARTERS FOR AMERICAN-MADE NITROGEN
Sulphate of Ammonia • Nitrogen Solutions
Ammonia Liquor • Anhydrous Ammonia
Arcadian* Nitrate of Soda • Urea
A-N-L* Fertilizer Compound
THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 Rector Street, New York 6, N. Y.
Barrett NITROGEN
*Reg. U. S. Pat. Off.

PROPER CONDITIONERS PROVE PROFITABLE AND BUILD GOOD WILL
Prompt and future shipments Your inquiries invited
Telephones LOmbard 3-2123-4 22nd-9
THE DICKERSON COMPANY DREXEL BLDG. PHILA. 6, PA.

Basic Agricultural Chemicals of Quality...

DDT
100% technical
Wettable Powders
Dust Concentrates
Emulsifiable Solutions

BHC
Technical grade (36% gamma)
12% gamma Concentrates

2,4-D
Acid
Sodium Salt
Butyl Ester
Isopropyl Ester
Ester and Amine salt solutions
Low-volatile Esters

2,4,5-T
Isopropyl and Butyl Esters
Low-volatile Esters

DIAMOND ALKALI CHEMICALS
Products of DIAMOND ALKALI'S subsidiary, KOLKER CHEMICAL WORKS, *specializing in organic chemicals for agriculture and industry.*
Order from
KOLKER CHEMICAL WORKS, INC.
80 LISTER AVENUE, NEWARK 5, NEW JERSEY
Plants: Newark, New Jersey and Houston, Texas

Agricultural Chemicals

DDT was advanced in price for spot by the lowest seller last week. Bordeaux mixture was priced higher and lead arsenate in one pound packages carlots was also advanced both for immediate shipment. The upward revisions were due to higher producing costs. BHC technical was offered for March shipment at the former price but cotton dust was still unsettled by competitive influences and the trade is not looking for the development of stabilization prior to April 1. The overall pesticide situation continued relatively quiet and some interests are looking for a delayed movement in the South owing to the unsettled prices for citrus fruit and cotton.

Relaxation of demand for feed use brought about a sharp decline in dried blood and tankage prices. It appeared also as if the peak of the buying movement in bonemeal had been reached. There was no change in prices for bonemeal but the final tone was easy. Scarcity of menhaden meal held that market firm at the ceiling level. There were no additional offerings of castor pomace during the week.

No significant improvement was reported in the movement of mixed fertilizer. Mixers stated that shipments to the Southeast are much slower than to other planting areas but the combined movement is running below seasonal expectations and the season is rapidly progressing. Meanwhile, there has been no unusual pressure for contract shipments of the basic fertilizer chemicals although superphosphate and potash are heavily sold through May 31.

Market Trends

Prices Advanced

Bordeaux mixture, 1-lb. packages, c.l., 1.1c. per lb.
DDT, 4c. per lb.
Lead arsenate, 1-lb. packages, c.l., 2c. per lb.

Prices Reduced

Dried blood, 75c. per unit of ammonia.
Tankage, 75c. uer unit of ammonia.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Mar. 2, 1951
92.5	92.5	92.5	82.2	87.1

(*For Current Prices see Page 9*)

Fertilizer Materials

Ammonium Sulphate—Output is moving rapidly enough to keep the supply position tight. December production of coke-oven sulphate was placed at 153,827,663 pounds by the Bureau of Mines. In November 148,967,638 pounds were made, and in December, 1950, output was 148,929,800 pounds. Total production for 1951 amounted to 1,793,222,688 pounds, compared with 1,662,032,906 in the preceding year. Sales in December, 1951, amounted to 155,365,032 pounds, against 164,775,802 in November and 175,864,700 pounds in December, 1950. Total sales for 1951 were 1,817,977,523 pounds, compared with 1,682,331,655 in 1950. Stocks on December 31, 1951, were 82,688,581 pounds, against 84,263,949 on November 30 and 115,377,093 at the close of December, 1950.

United Kingdom exported 240,718 long tons of ammonium sulphate in 1950-51, a decrease of 14 percent from shipments in 1949-50, according to the annual report of the British Sulphate of Ammonia Federation, Limited. Ceylon was the leading purchaser, followed by the British West Indies.

Bonemeal—Prices were unchanged for both raw and steamed, but the tone of the market was easier with the edge off demand.

Dried Blood—Cutback demand resulted in a sharp drop in prices. Material was available at $8.25 per unit here and in Chicago.

Fishmeal — Scarcity of menhaden has kept activity mostly confined to imported fish meal, which continued to be sold on a unit basis.

Hoofmeal—Market quiet and not too firm. Last sales were at $7.25 per unit of ammonia, Chicago basis.

Phosphate Rock—Continued to maintain a well balanced position. According to trade reports, the cut in sulphuric acid usage has not been seriously reflected in the demand from acidulators. Exporters are working on the Japanese purchase, but admit that operations have slowed down on account of the declining tendency of Far Eastern freight rates. It was stated that freights have dropped from $20.50 per ton to $17 to $17.50 and the tone is still easy.

Potassium Muriate—Producers are in a position to make contract shipments promptly, although the movement is not under pressure and a bit slower than usual. Demand from the Southeast is said to be below normal, particularly around the citrus belt, where fruit prices are declining. According to trade reports, a lot of foreign potash is still in storage.

Sodium Nitrate — Demand and supply were about in balance with sellers' inventories, showing no tendency to increase. The price situation continued firm.

Superphosphate—Heavily sold condition of domestic producers has kept the supply condition tight and prevented the booking of additional quantities. NFA states that the probable effects of the lack of adequate supplies of superphosphate during this year, and probably 1953, will be complex and long lasting. Escape from this dilemma may not be too easy. Immediate relief can be obtained if exports of American sulphur to foreign countries are reduced drastically.

Tankage—Priced lower as a result of a slowdown in buying interest from the feed trade. Stocks sold at $8 per unit of ammonia, New York, and at $8.50 Chicago.

Los Angeles Market

Los Angeles.—Trading continued to show slight gains during the past week with firm market conditions prevailing on the majority of items. There was a further softening for blood meal with sales shaded below the $7 per unit level. Relatively heavy buying of foreign bone meal has rendered this material scarce locally with domestic stocks already depleted. Fish meal supplies are virtually cleaned up with the Canadian herring meal supply light and offerings limited.

Ruling prices were:—Ammonium nitrate, $81.89 per ton, domestic, f.o.b. Los Angeles; $83.02 per ton for Canadian material, f.o.b. Los Angeles.

Ammonium phosphate, $72.86 per ton, bagged, 16/20 grade, f.o.b. Los Angeles; $97.31 per ton in bags, 11/48 grade, f.o.b. Los Angeles. Both Canadian material.

Blood meal, $6.75 to $7 per unit of ammonia at source. Bone meal, $85 to $88 per ton, foreign, 1/65 meal, c.i.f. Los Angeles harbor. No domestic supplies or quotations available.

Calcium nitrate, $51 per ton, 15½ percent nitrogen, c.i.f. Los Angeles harbor.

Fish meals, $146.90 per ton nominal, 65 percent sardine, bulk, f.o.b. Los Angeles or Mon-

Phosphate Rock Industry: January-June, 1951

Salient statistics on the phosphate rock industry in the United States during the first six months of 1951, as compared with the comparable period of 1950, were released last week by the Bureau of Mines of the Department of the Interior. The figures are as follows:—

	1950			1951		
	Long tons			Long tons		
	Phosphate rock	P_2O_5 content	Value at mines	Phosphate rock	P_2O_5 content	Value at mines
Production (mined)	5,720,767	1,855,288	*	5,261,551	1,698,350	*
Sold or used by producers:						
Florida:						
Land pebble	4,164,831	1,407,230	$23,271,209	4,285,677	1,452,722	$25,318,770
Soft rock	36,899	7,482	180,844	43,896	8,984	208,814
Hard rock	32,315	11,388	246,869	39,734	14,002	305,603
Total Florida	4,234,045	1,426,100	$23,698,922	4,369,307	1,475,708	$25,833,187
Tennessee†	784,360	220,595	5,280,328	747,562	204,386	5,517,803
Idaho and Wyoming**	183,321	56,040	904,458†			
Montana	112,210	29,297	772,417†	441,634	129,801	2,001,179
Total United States	5,313,936	1,732,032	$30,656,125	5,558,503	1,809,895	$33,352,169
Stocks in producers' hands June 30:						
Florida	1,048,000	319,000	*	920,000	307,000	*
Tennessee ††	604,000	170,000	*	561,000	160,000	*
Western States	231,000	65,000	*	442,000	118,000	*
Total stocks	1,883,000	554,000	*	1,923,000	585,000	*

* Data not available.
† Includes brown-rock matrix of sinter-grade and sintered brown rock.
** Includes Utah in 1950.
†† Does not include plant stocks of washer-grade matrix.

For Late Market Developments, See Page 4

terey; $135.60 per ton nominal, 60 percent tuna, f.o.b. Los Angeles; $158.20 per ton bid, 70 percent Canadian herring, bulk, f.o.b. Vancouver; no offerings.

Potassium muriate, 50½c. per unit in bulk, f.o.b. Trona. Potassium sulphate, 95 to 98 percent K_2SO_4, 86c. per unit, f.o.b. Trona.

Sodium nitrate, $58.50 per ton in 100-pound bags, f.o.b. Los Angeles; $53.50 per ton in bulk.

Superphosphate, $23.70 per ton in bulk, f.o.b. Los Angeles; $4 additional for bags. Ammoniated, $29.50 per ton in bulk, f.o.b. Los Angeles, 3/16 grade; $4 extra for bags. Triple, $68.50 to $72 per ton in bulk, 47 percent a.p.a., f.o.b. Los Angeles.

Tankage, wet rendered, fertilizer grade, $6 per unit of ammonia, f.o.b. producing plant.

Pesticides

The lowest seller of DDT has advanced the price to 48c. per pound for spot in carlots and for contracts in 30 days. BHC was priced at 1½c. per pound per gamma unit for March shipment, and the trade is looking for the price to hold at this figure. Stocks were readily available, although the issuance of government permits for export has lessened burdensome inventories to some extent. There was still confusion surrounding dry dust and it looked as though another month will pass before permanent stabilization develops. Inquiry is increasing for 2,4-D and 2,4,5-T, the strongest demand coming from the West and Midwest.

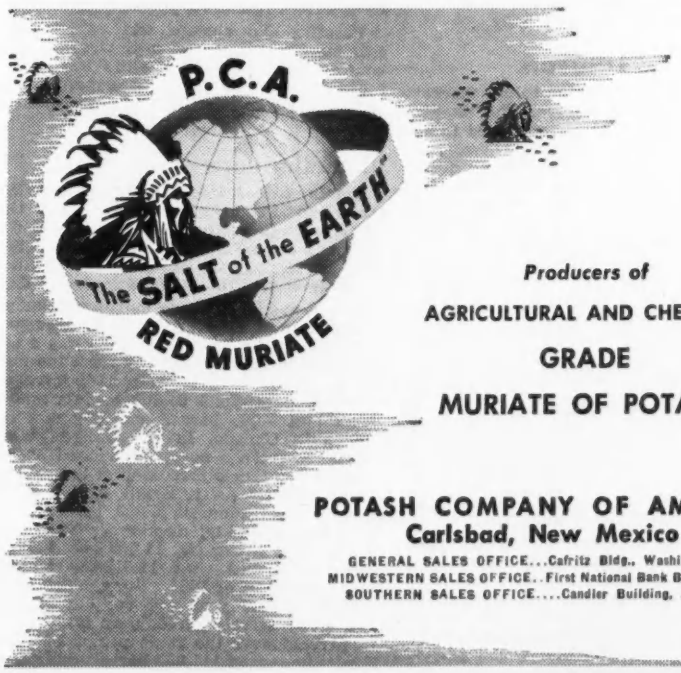
Bordeau Mixture — Priced higher to cover increased producing costs. Four-pound bags in carlots are held at 16.1c. per pound and at 22.1c. in one-pound bags. Smaller quantities are priced at 17.1c. to 18.1c. per pound in four-pound bags and at 23.1c. to 24.1c. for one-pound bags f.o.b. the works or nearest warehouse points, freight allowed on 96 pounds or more.

Lead Arsenate — Available for immediate shipment in 100-pound drums and in four-pound bags, 12 in a case, and three-pound bags, 16 in a case at 30c. per pound, carlots. One-pound bags, 24 in a case, are priced at 45c. per pound in carlots. L.c.l. prices range from 31c. to 46c. per pound, depending upon quantity and size of container. All prices are f.o.b. the works, freight allowed on 96 pounds or over. Future contracts are based on price at time of shipment.

Sodium Arsenite—This termite control pesticide is now available for immediate shipment in 100-pound drums, carlots, at 13½c. per pound. Smaller lots are priced at 14¼c. to 15¼c., depending upon quantity involved. The solution is priced at 70c. a gallon in 53 gallon drums, and at $1.10 in five-gallon drums. All prices are f.o.b. the works.

DDT Sought for Burma

Emergency Procurement Service of General Services Administration has invited suppliers to submit bids to be opened March 11 for furnishing two shipments of DDT to Burma. One shipment is for one short ton of 75 percent wettable powder, packed in 100-pound fiber drums, and the other is for five short tons of the same product. Bids should be addressed to Dorothy Queen, GSA, room 7109C, Seventh and D streets, SW, Washington 25, D. C.

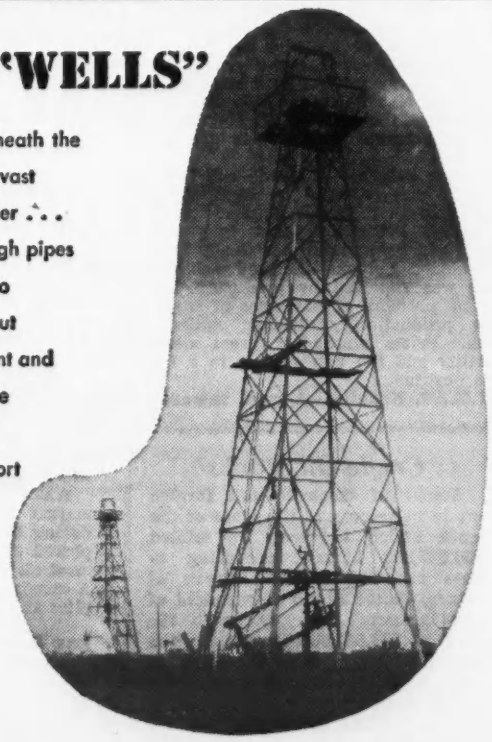


Producers of
AGRICULTURAL AND CHEMICAL
GRADE
MURIATE OF POTASH

POTASH COMPANY OF AMERICA
Carlsbad, New Mexico
GENERAL SALES OFFICE...Cafritz Bldg., Washington, D. C.
MIDWESTERN SALES OFFICE..First National Bank Bldg., Peoria, Ill.
SOUTHERN SALES OFFICE....Candler Building, Atlanta, Ga.

SULPHUR "WELLS"

Discovered by drilling far beneath the earth's surface . . . melted by vast quantities of superheated water . . . lifted by compressed air through pipes —Sulphur becomes available to Industry. In the background, but always essential to the oil, paint and drug field, Sulphur helps in the production and processing of hundreds of necessities. Freeport Sulphur Company, oldest United States producer of crude Sulphur, has been supplying this vital raw material for over 35 years.



FREEPORT SULPHUR COMPANY
OFFICES: 122 East 42nd Street, New York 17, N. Y. • MINES: Port Sulphur, Louisiana • Freeport, Texas

FUNGICIDES
TEXTILES • WOOD • PAINT • PLASTICS

Your choice of 9 Isotrols...

CQ-A Copper-containing solubilized 8-hydroxyquinoline
CQ-1A CQ type dispersed in DOP plasticizer
CQ-3A CQ type plus Copper Naphthenate
CQ-WR CQ type plus water repellents
CN-8 & 11 Copper Naphthenate
ZN-8 & 12 Zinc Naphthenate
MO Phenyl Mercury Salt

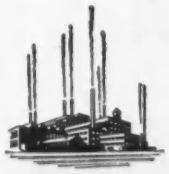
FREE! FERRO FUNGICIDE BOOK
WRITE FOR YOUR COPY

FERRO
FERRO CHEMICAL CORPORATION
A Subsidiary of Ferro Corporation
BEDFORD, OHIO
A complete line of . . . vinyl stabilizers, metallic soaps, dispersing agents, fungicides, driers, cobalt compounds, surface active agents.

TENNESSEE CORPORATION
TC
MINERAL SALTS

One of the country's foremost producers of Agricultural Chemicals and Soluble Mineral Salts.

COPPER SULPHATE
ZINC SULPHATE
MANGANESE SULPHATE
COPPER SULPHATE
FERRIC IRON SULPHATE



For MANUFACTURERS, MIXERS And CHEMISTS

We can supply you with most any combination of mineral mixtures—mixed to your own specifications. Soluble Manganese, Copper, Zinc, Iron, Boron and Magnesium.

Producers of ES-MIN-EL—Essential Mineral Elements.

For further information 'phone, wire or write

TENNESSEE CORPORATION
Atlanta, Georgia — Lockland, Ohio

PETROLEUM
NAPHTHAS
and
SOLVENTS

FOR: PAINT • WAXES
LACQUER • VARNISH
RUBBER • POLISHES
ENAMEL • CLEANERS
EXTRACTION

Paraffin and
Microcrystalline Waxes

SHELL

SHELL OIL COMPANY
50 W. 50th Street, New York 20, N. Y. • 100 Bush Street, San Francisco 6, California

IRM

WAX

MICRO
PARAFFIN
SPECIALTIES

Industrial Raw Materials Corp.
575 Madison Avenue New York 22, N. Y.
Telephone MUrray Hill 8-8080
Plants: Lyndhurst, N. J. Refinery: Titusville, Pa.

Petroleum Derivatives

A bit of an improvement was reported in the supply situation of propane during the past week. Producers stated that they were able to provide gas to consumers with a little less difficulty than was the case several weeks ago. The situation could change very quickly, however, should there be another sudden cold wave. Butane was reported to be quite plentiful in the New York area as well as in some other parts of the country. Buying interest in that gas appeared to be lagging. The toluol market was unchanged. Supplies were fairly good, although still far from abundant. Xylol was comfortably situated. No change was reported in the intermediate aromatic solvents, which were offered in good quantities and met with an active demand. The higher boilers were untroubled, there being adequate supplies to cover the requirements of consumers. Prices of all articles held steady.

Petrolatums enjoyed a rather good demand and a large volume of business was reported. The white mineral oils, as well, met with a good interest from consumers. Prices of these materials remained at the recently reduced levels. No change was reported in the position of the petroleum waxes. Supplies of both microcrystalline and paraffin waxes continued to be abundant, while sales were limited. Market quotations for waxes held steady.

Solvents and Diluents

During the past week the toluol market was without special feature. The supply available for industrial use appeared to be fairly good, although still quite firm. The volume of sales was reported to be quite favorable. Production has been steadily maintained at a high level. Prices were stable. Xylol was also unchanged. Stocks were comfortable and production adequate to fill all the requirements of consumers. Market quotations for the intermediate aromatic solvents continued steady. According to manufacturers, there was a good supply of these materials and they met with an active demand. Only the pure aromatics were said to be a bit tight, but they, too, were meeting the needs of consumers. The higher boilers were in good demand and were adequately stocked to make for a comfortable market situation. Price quotations continued unchanged.

Cleaners' Naphtha—Good stocks were held by producers and consumers were able to obtain all the material needed. Prices remained unchanged. Sellers reported the demand to be steadily good.

Lacquer Diluent — With production maintained at a steady rate, there was a comfortable supply of this material available on the market at unchanged prices. Inquiries from consumers came at a good rate, although not particularly hurried.

Mineral Spirits—The market was quite comfortably situated during the past week, as has been true for the past several months. Production has been large enough to provide an ample supply to consumers, who sought the material in good quantities. No change occurred in the price schedule.

Rubber Solvent—A steady call for this material was reported by suppliers who were able to meet all inquiries without difficulty. Production was fully maintained and prices held at a steady level.

Stoddard Solvent—A good volume of sales was reported by producers. There was no problem of shortages of supplies, with production continuing without a hitch. Prices showed a great deal of stability and the market was in a favorable position.

V.M.&P. Naphtha—A good balance existed between the available supplies and the demands of users. Manufacturers reported the inquiries of buyers to be quite good at this time. Price quotations continued to be unchanged.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended February 16 totaled 254,953,000 barrels, according to data reported to the Bureau of Mines, United States Department of the Interior. Compared with the total of 254,864,000 barrels for the preceding week, this represents an increase of 89,000 barrels, comprising an increase of 143,000 barrels in stocks of domestic crude and a decrease of 54,000 barrels in stocks of foreign crude.

Market Trends

Prices Advanced
None

Prices Reduced
None

(*For Current Prices see Page 9*)

Lighter Fractions

LPG's — Last week found the market somewhat softer than was true in previous weeks. Propane became a bit freer and producers were able to offer more to consumers. A sudden cold snap, however, could reverse the situation very quickly. The position of butane was extremely easy in the New York area. Stocks were large and buying interest appeared to be lagging. Prices of both gases remained steady and unchanged.

Waxes

Microcrystalline—The market continued to be rather quiet. Stocks were quite plentiful and production has been steady in most places. Sales were somewhat limited, making for a market which was extremely easy. Prices remained unchanged.

Paraffin—No change was reported in this market during the past week. Stocks continued to be ample, while buying interest lagged. The market was more favorable to the consumer. Quotations remained steady.

Miscellaneous

Crude Oil—It was estimated by the American Petroleum Institute that the daily average production of crude oil for the week ending February 16 was 6,258,950 barrels. During the same week, imports of oil amounted to 381,300 barrels per day.

World output of crude petroleum during the month of September, 1951, averaged 11,704,000 barrels per day. This was a decrease of 9,000 barrels daily from the output in August. In Kuwait daily average production dropped 61,000 barrels and a decline of 7,000 barrels per day was reported in Canada. In the United States the daily average output increased 29,000 barrels. Venezuela increased at the rate of 16,000 barrels daily, Saudi Arabia 9,000 barrels and Indonesia 5,000 barrels. For the quarter ending September 30, world production averaged 11,692,000 barrels daily, compared with 11,619,000 barrels in the first half of 1951. For the first nine months of the year average output was 11,644,000 barrels per day, an increase of 15 percent over the same period of 1950. Stocks increased 111,000 barrels daily during the third quarter of 1951, compared with a gain of 294,000 barrels during the second quarter.

Natural Gasoline — During December, 1951, the daily average production of gasoline and allied products increased some 5,000 barrels over the output in November. Total production for the month amounted to 18,925,000 barrels. For the entire year of 1951 production reached 205,512,000 barrels, an increase of 13 percent over the output in 1950, when the total was 181,961,000 barrels. There were increases in most states, although Pennsylvania, Ohio, Illinois, Michigan and Mississippi showed declines. Nebraska began production in 1951. During December, stocks decreased 245,000 barrels, but they were 779,000 barrels greater than on December 31, 1950.

Petrolatum — According to producers, business transactions have been very favorable. A good demand has been met by a plentiful supply of material. Prices continued at the recently changed level and production was well-maintained.

White Mineral Oils — A comfortable market situation existed in this market during the past week. Buying interest has picked up and producers were able to meet all inquiries from their ample stocks. A steady output has maintained the supplies at a good level. Prices were steady.

Los Angeles Petroleum Market

The price structure was again unchanged the past week for solvents and diluents with lacquer diluent quoted 16.7c. to 20.7c. per gallon, tankwagon, ex-tax, f.o.b. Los Angeles Basin area. Cleaning solvents, including Stoddard, quoted 15.7c. to 19.7c. per gallon, same basis. Demand is following a normal seasonal pattern with supplies adequate to meet all requirements.

For Late Market Developments, See Page 4

T.F. Morrow Acquires Bonanza Oil Company

Tevis F. Morrow, west coast oil man, announced last week that he has acquired the Bonanza Oil Company of Wyoming for $18,598,560. The company operates wells in the Manderson-Worland area of northern Wyoming. Mr. Morrow said he had deposited in the Denver National Bank 75 percent of the funds necessary to purchase the company. There were 929,928 shares of stock outstanding before transfer of ownership began last week, he said, and these are being exchanged at $20 a share. Dr. Victor Ziegler, president of the company, and members of his family reportedly will receive about $5,000,000 from the sale.

Ind. Standard Promotes Two

Dr. James E. Seebold has been promoted to assistant manager of research of Standard Oil Company (Indiana), with headquarters in the general office at Chicago. Robert A. Steel has been promoted to succeed him as director of the process division at the company's Whiting, Ind., research laboratories. Dr. Seebold joined Standard in 1940 as a chemical engineer at Whiting.

API Issues Tankcar Code

The American Petroleum Institute announces the publication of a "Tentative Code for Pressure Tankcar Quantities or Code for Calibrating Tankcar Tanks and fear Measuring, Sampling and Calculating Tankcar Quantities (Pressure Type)." The code was prepared through the cooperation of a large number of companies and under the supervision of the committee on tankcar quantities of the API division of transportation. Copies may be obtained at $1 a copy from API, 50 West 50th street, New York 20.

OPS Approves Refund Plan for Used Oil Drums

The Office of Price Stabilization last week approved a refundable container plan proposed by Standard Oil Company of California, for the return of light steel fifty-five gallon drums in which its products are sold. The refundable container plan, containing a number of essential safeguards, was substituted by Standard in place of a previous proposal, known as the "Sale and Repurchase Plan," which OPS officially disapproved in its ruling last week.

Innis, Speiden Soil Fumigants Sales Managership to Barton

Innis, Speiden & Co., New York, has announced the appointment of Richard Barton to the position of technical adviser and sales manager for its soil fumigants and agricultural chemical specialties. Mr. Barton previously represented Innis, Speiden in a sales capacity in Philadelphia, Maryland, Delaware and Virginia. Earlier he was associated with the S. S. Pennock Company and as sales manager for T. H. Brodhead Company, Ltd.

Trade Briefs

Chester F. Smith, vice-president and director of Standard Oil Company (New Jersey), has received an employee service button marking his forty years of service with the company.

Mary L. Alexander, assistant to the director of research of the Universal Oil Products Company, Chicago, has been named chairman of the committee on the nomenclature of the American Chemical Society's organic chemistry division.

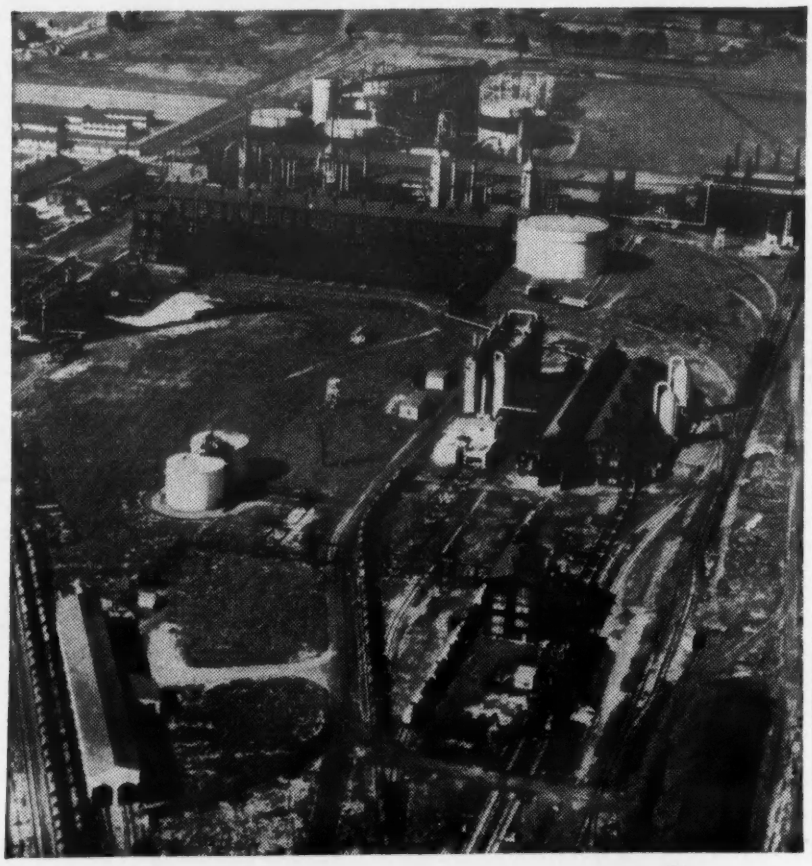
IMPROVE YOUR FORMULAS
in Gloss, Color, Brushability, Durability and Drying Time
Special ALKYD RESINS
Always Alkydol!
ALKYDOL LABORATORIES, INC.
3240 South 50th Ave. • Cicero 50, Illinois

Technical Naphthas
& Petroleum Solvents
Amsco-Solv Aromatic Solvents
Amsco Hexane
and Heptane
AMSCO
AMERICAN MINERAL SPIRITS COMPANY
NEW YORK • CHICAGO • LOS ANGELES
Offices in 24 principal cities

Penn-Drake Petrolatums
YOUR EXPERT TOUCH WILL TELL YOU
IT'S exactly THE QUALITY PETROLATUM YOU ORDERED
penn drake products
PENNSYLVANIA REFINING COMPANY
BUTLER, PENNSYLVANIA
Branches: Cleveland, Ohio and Edgewater, N. J.
Representatives in all Principal Cities

"It's Better to Ship in Steel"
Stainless Steel Barrels...
Steel Shipping Containers and Pails
THE CLEVELAND STEEL BARREL CO.
9612 MEECH AVE.
CLEVELAND 5, OHIO
FOUNDED 1912
THE CLEVELAND STEEL BARREL CO.

Looking for Something?
Universal "makes tracks" with tank cars, transports and barges... of everything "done in oils"!
A step in the right direction always points to Universal — for refined products, natural gasoline, butane and propane, special naphthas, lube oils and solvents. Tank cars, transports and barges — water terminals at Chicago and St. Paul. Take steps now — and remember, we both produce and market.
Originators of UNIPLAN
UNIVERSAL PETROLEUM COMPANY
Producers and Marketers of Petroleum Products
NATIONAL BANK OF TULSA BLDG., TULSA, OKLA. Cable: UNIFUELS
UNICAS UNIFUELS UNITHERM



Barrett*

CRYSTAL UREA

of highest purity for

- PLASTICS
- ADHESIVES
- PAPER COATING
- TEXTILE FINISHES
- SYNTHETIC ORGANIC CHEMICALS

Barrett Crystal Urea is ideally suited for these and many other uses. For example, this high-quality Urea meets specifications for moldings in delicate pastel shades.

Barrett Crystal Urea is another member of the big family of Barrett basic products which serve industry and agriculture. It is available for immediate shipment, in 100-pound multiwall bags from the South Point, Ohio, plant pictured above.

OTHER BARRETT CHEMICALS

available to the plastics industry

ELASTEX* 10-P Plasticizer, "ELASTEX" 28-P Plasticizer, "ELASTEX" 50-B* Plasticizer, "ELASTEX" DCHP Plasticizer, Dibutyl Phthalate, Phthalic Anhydride, Phenol, Phenolic Resins, Cresols, Cresylic Acids

Barrett

THE BARRETT DIVISION

ALLIED CHEMICAL & DYE CORPORATION

40 RECTOR STREET, NEW YORK 6, N.Y.

*Reg. U. S. Pat. Off.

America's Leading Distributor of Nitrogen Products

Coal Chemicals

The last producer to advance the price of natural grades of phenol came in line with the other raises which were made during the first week in January, by raising the price ½ cent per pound, effective March 1. The price of imported naphthalene was reduced by another ¼ to ½ cent per pound.

Crude domestic naphthalene continued to be in a tight supply position. Also tight, were phthalic anhydride and pyridin. Resorcinol was still fairly tight, remaining under government allocation. Phenol, cresylic acid, and the cresols were a bit easier. Benzol was still short, and xylol balanced. There was ample creosote to meet consumer needs. Quinolin was in abundant supply. A flurry of activity was noticed in the market for gammapicoline, and betagammapicoline for use in making new tuberculosis drugs.

The expiration of SR 13 has been extended to May 31 by OPS. The supplementary regulation to the General Ceiling Price Regulation applies to producers of all grades of coke, coal chemicals, and cokeoven gas, allowing them to adjust their ceiling prices to reflect increased delivered costs of raw materials. OPS had anticipated issuing a permanent regulation before SR 13 expired on February 29, midnight, however, they found that more time was needed to complete their survey of the industry.

Amendment 7 to SR 13 simply extends the expiration date. It does not extend cut-off dates for specific provisions of the regulation. Thus the provision permitting producers to recover increases in delivery costs of raw materials carbonized and processed does not apply to increases incurred after December 31, 1951.

The American Iron and Steel Institute estimated that the operating rate in the steel industry for the week ending March 1, was 100.9 percent of theoretical capacity. This was equivalent to 2,096,000 tons of steel ingots and castings, as compared with 2,090,000 tons the previous week, and 1,995,000 tons one year ago.

Basic Products

Benzol—Producers indicated that there was no change from the short supply position, long characteristic of this market. The overall demand for benzol was great enough to take the material out of producers hands as fast as it was being produced. Most producers were unable to keep pace with the number of calls for the material. Yet, there was some evidence of the feeling that there was not as much pressure for delivery on suppliers as there had been during the final quarter of last year.

There was little change expected in this market. Producers said that benzol would probably remain short of balance at least until the production of new facilities is available later in the year, and possibly after that production is added to the industry's output. The great variety of uses for benzol in industry at the present time, and the ever potential possibility of new outlets, lead some producers to believe that even a great deal more benzol will not be enough to satiate the entire market.

Cresols—The supply position of these tar acids was fairly well balanced last week. There has been an easier tone noted in this market over the preceding weeks. It was felt by some producers that a continuation of this trend will leave the cresols, as well as the other tar acids, in an oversupply position in the near future.

The softer character of the cresols was attributed to the weak demand for cresylic resins and plasticizers. The protective coatings industry has not shown a significant increase in the number of calls for these two items which utilize cresols in their manufacture. Producers felt that the seasonal demand from this direction was due to start within a month or so, however, the cresols were expected to be long in supply before that time.

Creosote—Producers said that there were ample supplies to take care of demand. The number of calls were well sustained last week. Telephone companies continued to erect a goodly number of poles, yet there were signs that there might be some slack from this area of demand in the near future. Government restrictions on copper and other metals used in cables were key factors in determining the number of poles to be erected. An overall picture of this market described creosote as being in good supply for the next few months.

Cresylic Acid—As was the trend of tar acids in general, domestic cresylic acid showed an easier tone last week. Supplies were no more than in balance with demand, but there was some expectation that the domestic material may be just a little on the long side of supply in a few weeks.

"There were no further changes in ADF material. The prices held comparatively well for this imported acid, which has been gradually easing downward over the past few months. Just how much activity government tenders will spark in this weak market was a matter of speculation. But importers were hopeful that it will be enough to rid inventories of a portion of excess materials, and thereby steady the downward trend of ADF acid.

Importers continued to quote prices from $1.25 to $1.35 for ADF acid. It was said that foreign suppliers were not expected to reduce prices any more than they had already done in the past two months.

Naphthalene—This market continued to be in a tight supply position, with regard to the domestic crude material. There has been enough easing of pressure from producers during the last several months so that producers were no longer concerned with a critical supply position. The crude material was described as tight, but, with less pressure on producers.

The downward trend of imported naphthalene reflected itself in another reduction of the price schedules quoted by producers. Current quotations were within the range of 9½ to 10½ cents per pound. These schedules represented a reduction of ½ cents per pound on the lower side of the price range, and ¼ of a cent per pound on the high side of the range. The weakness of the imported naphthalene market has developed as a result of the improved supply position of crude domestic material. Some importers were of the opinion that the price decline of imported naphthalene will continue in its gradual movement downward until the price schedules reach a point just above the prices of domestic material.

Phenol—This tar acid continued to show tendencies toward an easier supply position. Although demand was fairly well sustained last week, producers found that they had to work harder to keep the material moving. Some suppliers felt that it would not be very long before phenol could be said to be a little on the long side. At the present time, it was not felt to be any worse off than a balanced supply and demand relationship.

Effective March 1, the last producer of natural phenol raised the price ½ cent per pound for the 90-92 percent and 82-84 percent grades. The price schedules on both grades were currently quoted at 17¼ cents to 18¾ cents per pound in tankcars, 19 cents to 20½ cents per pound for drums carlots, and 19¾ cents 21½ cents per pound in less than carlots. This price advance has narrowed the range of price schedules quoted by various producers by ½ of a cent.

Pyridin — This market remained in a tight supply position last week. Demand was well sustained at levels high enough to keep producers behind in their production. There were no changes expected

Coal Chemicals

Total estimate of chemical recovery cokeoven operations in the week ended March 1, indicate the following output of chemicals from that source:—

Ammonia liquid NH_3	lbs.	968,804
Ammonia sulphate	lbs.	34,860,149
Benzol	gals.	3,453,015
Coaltar	gals.	15,540,067
Creosote oil	gals.	644,003
Naphthalene, crude	lbs.	2,473,011
Pyridin, refined	lbs.	29,400
Toluol	gals.	677,603
Xylol	gals.	182,001

Market Trends

Prices Advanced

Phenol, 90-92%, and 82-84%, ½c. per lb.

Prices Reduced

Anilin, 1c. per lb.
Napththalene, crude, imported, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

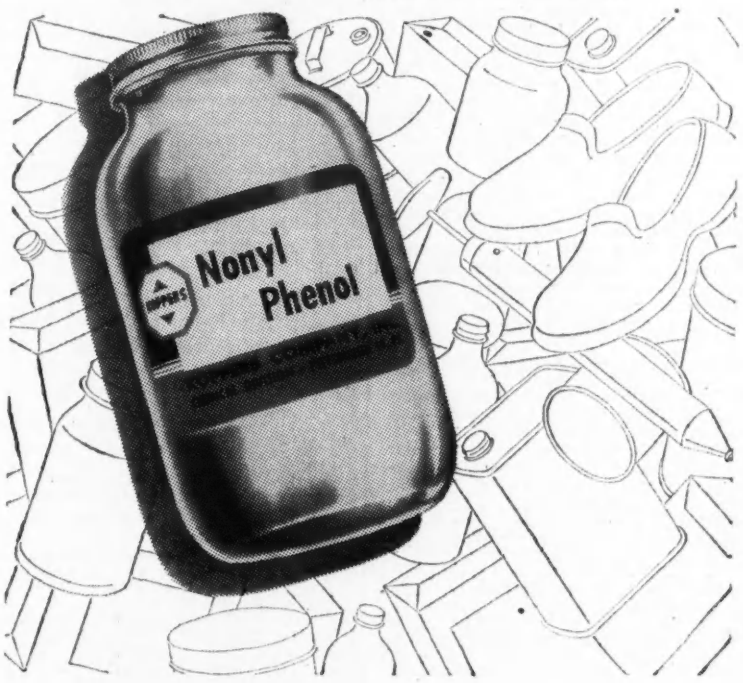
Last week	Prev. week	Last month	July 1, 1950	Mar. 2, 1951
137.0	137.2	137.2	107.5	134.9

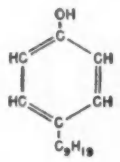
(For Current Prices see Page 9)

For Late Market Developments, See Page 4

Koppers Nonyl Phenol

One of a Series of
Koppers Alkylated Phenols





Suggested for use in the production of a number of chemical products which require a mono-alkylated phenol of relatively high boiling point and molecular weight.

The properties of Nonyl Phenol indicate usefulness in the production of detergents, modified phenolic resins, non-ionic surface active agents, dispersing agents and wetting agents, lubricating oil additives and corrosion inhibitors, rubber chemicals, plasticizers, plastic stabilizers, germicides, insecticides, fungicides, oil soluble resins, tanning agents, dyestuffs and pharmaceuticals.

● KOPPERS NONYL PHENOL is produced in commercial quantities. It is a slightly viscous, clear liquid; only very slightly soluble in water, but miscible with common organic solvents. It is a mixture of monononyl phenols, predominantly substituted in the para-position.

REACTIONS — Two of the three normally reactive nuclear positions are unsubstituted in this alkylated phenol; they are subject to such reactions as acylation, and condensation with aldehydes.

The unhindered phenolic hydroxyl group undergoes such reactions as etherification, esterification, vinylation, ethylene oxide condensation, and formation of nonyl phenoxyacetic acid.

PROPERTIES

Boiling Range	290°–300°C.
Hydroxyl Number (theory 255)	250
Specific Gravity, 30°C.	.940–.944
Refractive Index, 20°C.	1.5118

KOPPERS

FOR FURTHER INFORMATION
write to Koppers Co., Inc., Chemical Division

KOPPERS COMPANY, INC.
Chemical Division, Dept. OPD-3-3
Koppers Building, Pittsburgh 19, Pa.

in the supply and demand relationship in the immediate future.

Producers said that there has not been any noticeable change in the market for a 2 degree material with the entrance of methylethylpyridin into the industry. It was felt that there has not been enough material on the market long enough to show much in the way of results yet. The substituted pyridin has had more of a direct effect on quinolin than it has had on the pyridin market.

Toluol—There was a slight variation between different producers in the supply status of toluol. Some suppliers found that their supplies were in a pretty good position, while others were unable to catch up to orders. The number of calls producers received for this solvent has not been up to previcus levels, yet, the overall market was considered to be in short supply. The explanation for this condition has been the quantity of material allocated for direct defense uses. These allocations have kept the volume of toluol available for industrial consumption below the levels of demand from industry.

Producers did not anticipate much change in the supply position during the next few weeks. Solvent use of toluol was expected to pick up this spring, when the protective coatings industry enjoys a season of greater activity.

Xylol—The market for this basic coal chemical was just about in balance with supply and demand. Producers considered the supply to be a bit easier than it was a month ago. But, some producers had no xylol on hand to sell. There were indications that there might soon be a little more activity from the direction of insecticide production and the paint industry, however these demands have not yet shown any significant affect upon the market for xylol.

Intermediates

Anilin—There were ample supplies to meet the needs of consumers. Most suppliers had little trouble in making prompt shipment of orders. Some producers reported that the demand was pretty good. They were selling all of the material that they could produce.

Recent price reductions of one cent per pound by several producers allowed them to meet competition. The changes eliminated the price range between various producers' schedules. Current quotations were 18c. per pound in tankcars, 19c. per pound in carlots, and 20c. per pound in less than carlots, all on a works freight allowed basis.

Alphapicoline — Producers reported a good demand for this intermediate. Supplies were adequate to meet the immediate needs of consumers. Price schedules held at their old levels of 39½c. per pound for returnable drums in carlots on a works, freight equalized basis, and 40c. per pound for less than carlots on the same basis.

Gammapicoline—There was an unusual stir of activity for this tar base last week. It was said to be the result of daily-newspaper stories concerning a "miracle" drug for TB cure. The major producer of gamma said that demand was up but the material was just not available. There was not enough material to go around. Many consumers were reported to be making calls all through the industry with little success.

Phthalic Anhydride — There was no change in the tight market position of this intermediate. The pressure on producers has been reduced somewhat from the critical days of last year, but the supply has continuously fallen far short of the number of calls that this chemical gets.

The lessened pressure has been the result of reduced demands and a better naphthalene supply picture. This was one item which producers did not expect to have in good supply for a long, long, time.

Quinolin—There was an abundant supply of quinolin to be had. It was said that the immediate effect of methylethylpyridin production was felt in this market. The substituted pyridin has cut deeply into the market for quinolin in the manufacture of niacin.

Prices remained unchanged. Current quotations were 60c. per pound in tankcars, 60¾c. per pound for returnable drums in carlots, and 61¼c. per pound in less than carlots, all on a freight equalized basis.

Antara Post to Dr. Nunn

Dr. L. G. Nunn has been advanced to the technical department staff of Antara Chemicals Division, General Dyestuff Corporation, New York. In his new post, Dr. Nunn will be engaged in technical service for General Dyestuff, sales distributor of General Aniline & Film Corporation. He joined the central research laboratory of General Aniline in 1950.

REPUBLIC BENZOLS

1° – 2°

REPUBLIC STEEL
REG. U.S. PAT. OFF.

ALSO

TOLUOLS
Nitration — Commercial

XYLOLS
3° — 5° — 10° — Commercial

AMMONIUM SULPHATE
CRUDE NAPHTHALENE

Specify Niles Steel Containers for your Packaged Items

REPUBLIC STEEL

CORPORATION
General Offices • Cleveland 1, Ohio
BRANCH OFFICES IN ALL PRINCIPAL CITIES

Shipping Points: Birmingham, Alabama • Canton, Ohio • Chicago, Illinois Cleveland, Ohio • Gadsden, Alabama • Massillon, Ohio • Warren, Ohio Youngstown, Ohio

PROMPT SHIPMENT...
DRUMS and TANKWAGONS
BENZOL
TOLUOL . . . . XYLOL
AT COMPETITIVE F.O.B. CHICAGO
POSTED SCHEDULES
CHEMICAL BY-PRODUCTS CO.
AFFILIATE OF DEMERT & DOUGHERTY, INC.
3001 W. 47th St. • Chicago 32, Ill.
Phone: LAfayette 3-5600

Cresylic Acid
All Grades
REINHART
Chemical Corporation
CHRYSLER BUILDING, NEW YORK 17, N. Y. • MU 5-0376 • CABLE: RECHEMCORP.

BENZOL • PHENOL • CRESOL
Coaltar Chemicals Corporation
Graybar Building New York 17, N. Y.

"A warehouse is the graveyard of a merchant's profits"

~~Butyl Alcohol~~	~~Formaldehyde~~
Citric Acid	Maleic Anhydride
Cresylic Acid	Oxalic Acid
Dibutyl Phthalate	Propylene Glycol N.F.
Diethanolamine	Prozone Antifreeze
~~Diethylene Glycol~~	Silica Gel
~~Dimethyl Phthalate~~	Triethanolamine
Dioctyl Phthalate	Titanium Dioxide

It's your privilege to get our prices
WILLIAM D. NEUBERG CO., INC.
Chemicals
420 LEXINGTON AVE. • N. Y. 17, N. Y. • TELEPHONE OREGON 9-2550
CABLE—"WILNEUBERG"

Copper Contract Signed By White Pine, DMPA

A contract was signed February 26 by he Defense Materials Procurement Agency with the White Pine Copper Company, which, along with a recently-announced loan of $57,185,000 by the Reconstruction Finance Corporation, will increase the annual domestic output of copper by 36,000 tons. The copper will come from the company's mine near White Pine, Ontonagon County, Mich.

The contract will run over a ten-year period, or until such time that the company has recovered $28,665,000 through its operations, whichever occurs sooner. DMPA has agreed to guarantee the company a price of 25½ cents per pound, f.o.b. Connecticut River Valley, for 243,750 tons of the first 275,000 tons of copper produced by the new facilities, and has an option to purchase the entire output over the contract period. The present ceiling price on Lake copper is 24⅝ cents per pound.

This is the fifth major agreement DMPA has reached with producers to step up the production of refined copper, and brings to 145,000 tons the total annual increase in domestic production of the metal resulting from these agreements.

Monsanto Forms Phosphate Division Development Dept.

The formation of a separate development department in Monsanto Chemical Company's phosphate division has been announced. Dr. James H. Lum, now on leave from Monsanto to attend the advanced management program at Harvard University graduate school of business administration, will assume direction of the department at the end of his leave.

Bemis Co. Elects Two

Bemis Bro. Bag Company, St. Louis, Mo., has elected C. W. Loomis, vice-president and director of personnel, to its board of directors. F. V. Deaderick, eastern director of sales, has been named a vice-president. Mr. Loomis, with Bemis for thirty-six years, has been vice-president and director of personnel since 1947. Mr. Deaderick joined Bemis in 1918, and has been in charge of eastern sales for the company since last year.

Boston AIChE Technical Symposium Slated Apr. 16

Economic aspects of chemical engineering projects will be the subject of the second annual technical symposium to be held April 16 at the University Club, Boston, Mass., by the Boston section of the American Institute of Chemical Engineers. Five technical papers on project preparation and a panel discussion by management representatives of process industries are scheduled for the program, which is due to get under way at 2 p. m. The symposium will be followed by a cocktail hour, dinner, and an evening speaker.

DUTY FREE
IMPORTS
99/100%
CRESYLIC ACID
•
NAPHTHALENE
HIGH BOILING
TAR ACIDS
PICOLINES
•
TAR ACID OIL
Other Related Products
DIRECT IMPORTERS
TAR RESIDUALS Inc.
420 LEXINGTON AVENUE
NEW YORK 17, N. Y. • LE 2-9414

INDUSTRIAL PERFUMES FOR USE IN
Paint • Glue
Ink • Polish
Textiles • Plastics
Rubber • Solvents
And Similar Products
If your product retains any unpleasant odor—in course of manufacturing or as a finished product—have Perry Bros., specialists in industrial odorants help you with a suitable odor mask or covering agent.
Let us know your problem.
Write today—without obligation, of course.
PERRY BROS., INC. 220 Flushing Ave., Brooklyn 5, N. Y. ULster 5-2777

DRY COLORS — DYESTUFFS
IMPORT EXPORT
FEZANDIE & SPERRLE, 205 Fulton St., NEW YORK 7
Telephones: COrtlandt 7-1460-1461 Cable Address: "Fezan," N. Y.

Technical ALBUMEN
IMMEDIATE SHIPMENT
ALSO
EDIBLE ALBUMEN — DRIED YOLK
Robert F. Koch Co.
4923 Chicago Street
Omaha 3, Nebr.

CRUDE
NAPHTHALENE
Hot Pressed and Whizzed
CHEMATAR, INC.
40 Exchange Place New York 5, N Y.
HAnover 2-0364 Cables: Tarachem

Textile and Leather Chemicals

Consuming demand for textile and leather chemicals continued spotty last week. Most orders were reported for less than carlot quantities and for immediate delivery. Supplies of most materials were liberal for spot and forward delivery, except potato starch which continued scanty. Market remained on a steady basis, with declines limited to edible and technical grades of egg albumen, which were off 4 and 3 cents per pound respectively, while egg yolk was unchanged. Tapioca flour was firmer and fractionally higher on spot, reflecting improved demand and increased cost of replacements from Brazil. Price index dropped 3.3 points.

In sizing materials, the scarcity of potato starch continued to feature this group. Available supplies at producing points were practically nil and limited stocks in dealers hands were offered sparingly. This increased the substitution of tapioca flour for potato starch, stiffening the former market and advancing quotations. Interest in corn dextrin and starch was fairly active, though the volume of sales was reported moderate, chiefly for prompt needs.

Inquiry for tanning material replacements was reported practically at a standstill. Offers for shipment were quite liberal and in the absence of trading quotations while unchanged were more or less nominal. Quebracho extract and cutch were the firmest on the list.

Production of wool yarn totaled 704,400,000 pounds in 1951, 13 perecent less than 1950 according to preliminary figures issued by the Census Bureau. Output in December declined 4 percent to 12,200,000 pounds wekly. Production of yarns other than carpet grades amounted to 10,100,000 pounds, 5 percent lower than in November. Carpet yarn output of 2,100,000 pounds in December was 2 percent lower than the previous month. Yarns other than carpet yarns included 6,700,000 pounds on the woolen system; 2,300,000 pounds on the Bradford system and 800,000 pounds on the French system.

Market Trends

Prices Advanced

Tapioca flour, ¼c. per lb.

Prices Reduced

Egg albumen, edible, 4c. per lb.
tech., 3c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Mar. 2, 1951
303.8	307.1	321.5	225.1	299.0

(For Current Prices see Page 9)

Chemicals

Sodium Acetate—Supplies were adequate to meet limited demand. Consuming inquiry continued confined to actual requirements. Quotations were unchanged.

Sodium Hydrosulphite — Inquiry was slightly better for delivery against current contracts. Demand for spot requirements was restricted to small lots. Prices were quotably unchanged.

Sulphonated Oils—Business was reported limited to small lots for immediate needs. Prices were without change for most grades.

Sizing Materials

Blood Albumin—Active demand continued to exceed production. Prices were unchanged and firm at 70c. to 80c. per pound, according to quantity and quality. Stocks of dried soluble blood were in better supply and maintained at 17c. to 18½c. per pound, depending upon quantity. Buying interest for the latter has improved for Spring delivery.

Corn Dextrin—Market remained on a steady basis, though consumers continued to operate in a hand to mouth manner. Prices of all grades were well held. Gum was quoted at $8.96 per 100 pounds, paper bags, carlots, New York basis; canary, $8.70; dark, $8.80, and white, $8.54, same basis. Less carlots were 15c. higher.

Corn Starch—Buying interest was confined to prompt needs. Deliveries against current orders were in fair request. Quotations were unchanged and well held. Pearl was quoted at $7.15 per 100 pounds, paper bags, carlots, and powder at $7.27, same basis. Less carlots were 15c. per 100 pounds more. Visible corn supply was increased only 154,000 bushels to 56,613,000 bushels for the week ended February 23, compared with 67,733,000 bushels for the corresponding week last year, it was reported by the Chicago Board of Trade.

Egg Albumen—Lower cost of eggs was reflected in albumen and quotations were further cut 4c. per pound. Edible declined to $1.72 to $1.74 per pound, and powder to $1.76 to $1.78 per pound, according to quantity. Trading continued confined to actual needs. Technical also was easier and off 3c. per pound to $1 to $1.08 per pound, depending upon quantity.

Egg Yolk—Yolk was steadier than albumen and maintained at unchanged quotations. Trading was light and spotty. Yolk was quoted at $1.09 to $1.11 per pound, according to quantity.

Potato Starch—Scarcity of supplies continued to feature this market. Production in Maine and Idaho continued low and prices were entirely nominal. Price ceiling was recently raised to 14¾c. per pound, f.o.b. mills, Maine, but sales of an occasional carlot was reported up to 11½c., same basis. Offers from Idaho were unavailable and the market was merely nominal at 7c. per pound, carlots, f.o.b. mills. Light sales were reported on spot at 9¼c. to 9¾c. per pound, exwarehouse, depending upon quantity and seller. Holders of stocks on spot favored regular customers.

Sago Flour—Small lots were moved for spot needs. Supplies were light and quotably unchanged. Raw was quoted at 7.35c. to 7¾c. per pound and refined 9c. to 9¼c. per pound, exwarehouse, as to quantity.

Tapioca Flour—Increased demand and higher cost of replacements stiffened the local market and supplies on spot were lifted about ¼c. per pound. Offers for shipment from Brazil were negligible as the 1951 crop has been cleaned up and no improvement was expected until April or May when new crop will start moving. High grade Brazilian on spot ranged from 8¼c. to 9c. per pound and medium, 7¾c. to 8c. per pound, warehouse, depending upon quantity and seller.

Tanning Materials

Cattle hide leather production dropped in December and indicated at 1,555,000 hides compared with 1,748,000 during November, according to Tanners Council. Sheep and lamb skins also declined totaling 1,894,000 skins, against 2,163,000 in November. Calf and whole kips skins amounted to 600,000 skins in December, against 568,000 the previous month and goat and kid skins 2,043,000 skins, against 1,837,000.

Chestnut Extract—Demand continued irregular chiefly for immediate needs, and volume of business during the past two months was materially smaller than for the same period last year. Prices were unchanged and steady.

Mangrove Bark—There was no improvement in the quiet demand. Offers for shipment from primary markets were liberal at unchanged quotations, which could have been shaded for sizable lots on firm bids. South American bark was quoted at $50 to $52 per ton, ex-dock, and African bark at $80 per ton, same basis.

Myrobalans—Tanners displayed little interest in replacements from abroad. Offers for shipments were quotably unchanged, but the market was merely nominal due to absence of trading. J1s ranged from $52 to $56 per ton, exdock, depending upon grade. Crushed was unchanged at $76 to $77 per ton, same basis.

Quebracho Extract—Conditions in this market remained steady despite light consuming demand for replacements. Primary markets were steady and selling pressure was reported lacking. Solid ordinary was maintained at 11 31/65c. per pound, and clarified, 12 3/16c. per pound carlots, exdock.

Sumac—Consuming inquiry continued slow and quotations were merely nominal. Shipments of leaf were quoted at $149 per short ton, exdock, ground, $145, same basis.

Valonia—Interest in this item continued conspicuous by its absence. Shipments were quotably unchanged and nominal. Cups were quoted at $70 to $72 per ton and beards, $66 to $68 per ton, exdock.

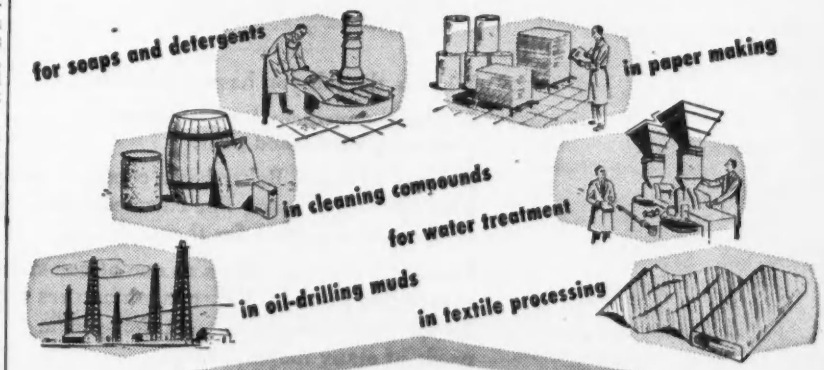
Wattle—African market was quotably unchanged and steady, while some sellers shaded quotations in order to improve consuming inquiry. Material for shipment was fairly liberal, but tanners continued to purchase limited quantities in a hand to mouth manner. Fair average bark was offered at $105 per ton, and merchantable at $101.50 per ton, exdock. Extract was quoted at 11¼c. to 11⅜c. per pound, exdock, plus duty.

For Late Market Developments, See Page 4

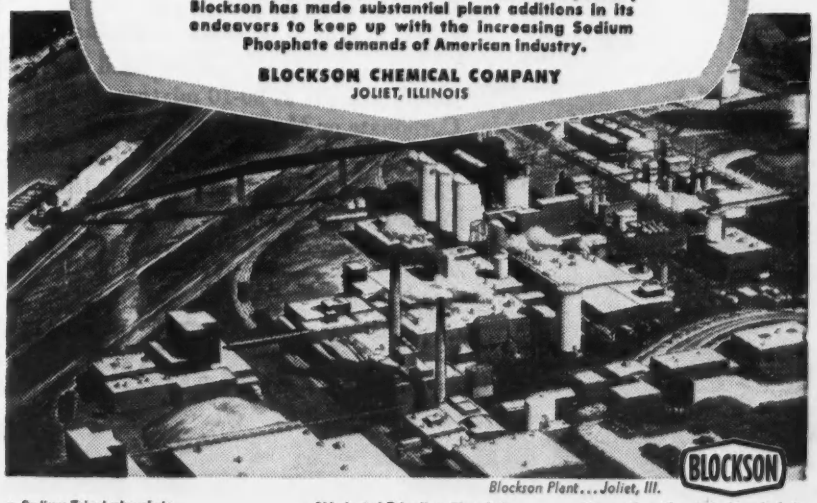
Mutual Bichromates
SINCE 1845
SODIUM BICHROMATE
POTASSIUM BICHROMATE
MUTUAL CHEMICAL CO. OF AMERICA
270 Madison Avenue New York 16, N. Y.

OVER 40 YEARS OF PROGRESS
NATURAL BICHROMATES
NATURAL PRODUCTS REFINING CO.
JERSEY CITY 5, N. J.

starches
flours
adhesives
Idaho-Maine Potato Starch
Corn Starch
Corn Dextrins
Tapioca Flour
Sago Flour
Locust Bean Gum
Casein
akp
AMERICAN KEY PRODUCTS, INC.
270 Madison Avenue • New York 16, N. Y. • MUrray Hill 5-0814



BLOCKSON
Sodium Phosphates
As leading primary producers of Sodium Phosphates, Blockson has made substantial plant additions in its endeavors to keep up with the increasing Sodium Phosphate demands of American industry.
BLOCKSON CHEMICAL COMPANY
JOLIET, ILLINOIS



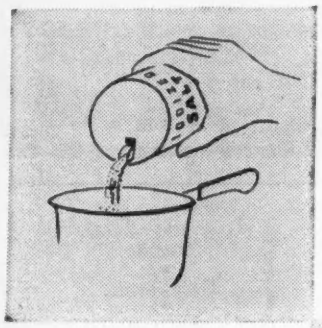
Blockson Plant... Joliet, Ill.

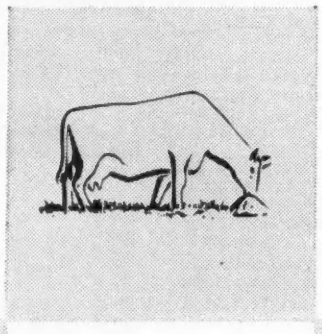
- Sodium Tripolyphosphate
- Tetrasodium Pyrophosphate, Anhydrous
- Sodium Polyphos (Sodium Hexametaphosphate) (Sodium Tetraphosphate)
- Trisodium Phosphate, Crystalline
- Chlorinated Trisodium Phosphate
- Trisodium Phosphate, Monohydrate
- Disodium Phosphate, Anhydrous
- Disodium Phosphate, Crystalline
- Monosodium Phosphate, Anhydrous
- Monosodium Phosphate, Monohydrate
- Sodium Acid Pyrophosphate
- Sodium Silicofluoride
- Sodium Fluoride
- Hygrade Fertilizer

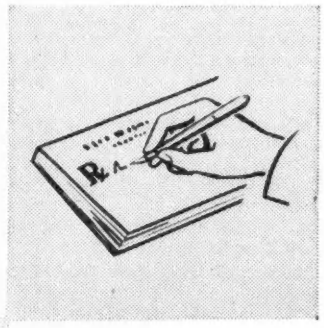
You gain when we concentrate

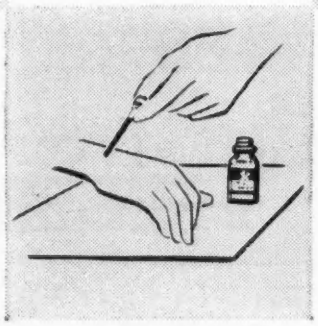
on fewer fine chemicals

One of our specialties: iodides









What is the job you have for Iodides?

Is it in the medicinal, pharmaceutical, photographic or food field?

For any of these, Baker has a complete line of Iodides that will best fill your fine chemical needs, best fit the jobs you have for them.

Concentration on Iodides as one of our specialties makes this possible. Baker manufactures U.S.P. Iodides, also Iodides to meet the specific needs of many industries.

In the medicinal field—for manufacturers of Tincture of Iodine—and for photographic uses—Baker supplies Potassium Iodide U.S.P., also Sodium Iodide U.S.P. and Iodine U.S.P. Resublimed.

For salt manufacturers, Baker supplies Potassium Iodide in crystal, granular or powder form.

For manufacturers of poultry and livestock feeds, Potassium Iodide is made as 90-10 mixture, the 10% being Calcium Carbonate or Magnesium Carbonate or Calcium Stearate.

Whatever your requirements for Iodides—call on Baker. Samples and prices will be forwarded gladly upon request. Address: *Fine Chemical Division*, J. T. Baker Chemical Co., Phillipsburg, New Jersey.

Baker CHEMICAL

Baker Chemicals

REAGENT · FINE · INDUSTRIAL

Drugs and Fine Chemicals

There was little price activity in the market. Cocoa butter was advanced 3½ cents per pound, reflecting the fluctuating commodity market in cocoa beans. Menthol continued its decline with both the Chinese and Brazilian material down 25 cents per pound. Feed molasses was reduced ½c. per gallon at New Orleans.

Castor beans remained scarce with offerings virtually nominal since buyers were not prepared to meet quoted figures. The castor bean crop was short last year and estimates for the 1952 crop were short of expected needs. Export quotas for India's castor bean crop have been sharply curtailed by the Indian government at a time when the world supply is especially short, since the Brazilian crop is not fully available at this time. Trade circles in this country foretold a continued tight supply in beans for some time.

The lacquer solvents continued in more than adequate supply. Consumer needs have been down from last year, although there were signs of a slightly increasing rate of consumption by the industry. Butyl alcohol, butyl acetate, ethyl acetate and the amyl solvents were all freely available.

Fermentation alcohol producers were still dickering for a substantial reduction in the announced price of 1952 Cuban blackstrap molasses. The Cuban Sugar Stabilization Institute has quoted a figure substantially the same as that paid last year when producers were begging for additional molasses due to the terrific demand for industrial alcohol. Those days may not be gone forever but they certainly have been gone since May or earlier of last year. All during the latter half of last year and to date, the problem has been to try to sell the alcohol produced. With the substantial drop in alcohol prices the first of the year, fermentation producers are no longer able to pay last year's molasses prices and still make sufficient profit on alcohol sold at today's prices.

The glycerin market was quiet with no further price reductions being made. However, there were rumors that further reductions were in the wind since the natural glycerin producers undercut the synthetic material, forcing its producer to come down to meet the natural price. Demand for glycerin was fair to steady and supplies continued more than adequate for existing inquiry. Natural, denaturing grade methanol was freely available, as a result of curtailed consumption by alcohol producers.

Amyl Acetate—The situation here was quite similar to that existing in regard to ethyl acetate. Demand was poor to fair depending upon the producer queried. Supplies were more than adequate and there were reports of some pickup in consumption by the lacquer industry. There were no price changes.

Butyl Alcohol—Demand for this lacquer material was fair according to reports from both fermentation and synthetic producers. The fermentation alcohol has been on a competitive price basis since the first of the year with synthetically produced butanol. Prior to that time it had been substantially higher priced. The price drop spurred the demand for the natural product in contrast to the extremely poor inquiry which had existed last year. However, on the overall basis, the lacquer industry was definitely below normal in its consumption of butanol.

Castor Oil—The market held steady, on the whole, with offerings from $250 to $260 per long ton, f.o.b., Brazil. Buyers' ideas were about $15 per ton below these quotations. Castor oil continued scarce in view of the sustained high demand for the material.

Imports of castor beans at New York and Philadelphia during the week ended February 28 totaled 269,250 pounds compared to the 7,050,000 pounds landed in the preceding week. Imports of castor beans at these ports during the corresponding week last year amounted to 4,141,400 pounds. Imports of castor oil during the week ended the 28th totaled 2,744,800 pounds compared to the 962,800 pounds brought during the corresponding week in 1951.

Total imports of castor beans since the first of the year to date amounted to 36,901,750 pounds compared to the 42,267,300 pounds landed in the corresponding period last year. Imports of castor oil to date this year totaled 17,629,600 pounds compared to 15,223,374 pounds brought in during the corresponding period in 1951.

Sharp export-quota restrictions have been imposed on castor beans and oil by the government of India for the January-June, 1952 licensing period, according to the American Embassy, New Delhi, and the American Consulate General, Madras. The quotas permit castor oil export by established exporters of castor oil at the rate of 15 percent of their basic year exports of castor oil. For established exporters of castor beans, quotas of castor oil will be given in lieu of beans at the rate of 15 percent of their basic year exports of castor beans converted at the ratio of 100 long tons of seed to thirty-seven tons of oil. The base year for purposes of quota allotments is any one year during the three-year period 1948-49, 1949-50, and 1950-51 (April-March) selected by the exporter as the most advantageous to him.

In those instances where a quota of more than fifty tons is issued to an exporter, a minimum of twenty tons must be shipped to Australia under that quota. The announcement also requires that no more than 50 percent of a given quota can be shipped in the period from January to March, 1952. However, there will be no objection to an exporter shipping his entire quota in the second quarter, that is, April-June, 1952. The government thus is steadily implementing its declared policy of promoting oil exports in preference to oilseeds by allowing export quotas of castor oil in lieu of castor beans.

According to a trade association official, castor oil exports in the basic three-year period were heavy from the port of Bombay. This source estimated Bombay's share of the 15 percent export quota at 6,000 to 7,000 tons and Madras' share at about 600 tons.

Emetine Hydrochloride—Supplies of this salt continued to tighten in the face of a severe shortage of raw material. However, since the bulk of demand for emetine hydrochloride has been for export, some domestic producers feel that they may be able to stretch current stocks by confining sales mostly to domestic consumers. The government was said to have taken a significant quantity out of the commercial market for the drug stockpile. However, it was reported that the rate of stockpiling was down considerably with the world situation improved to that of last year and was not a decisive factor regarding future consumption of the material.

Current stocks on hand were adequate for demand but how long they would last was a matter for conjecture if replacement material was not forthcoming. Reports from the source have indicated that labor shortages were primarily responsible for the virtual lack of replacement raw material. Market quotations were still unchanged, ranging from $38.75 to $42.85 per ounce.

Ethyl Acetate—Demand for this material was poor to fair depending upon the producer queried. There was unanimous agreement to the fact that it certainly was a far cry from that of last year. The lacquer industry has been operating below its normal activity and was suffering from the general business slump being felt across the country. Stocks were more than adequate for current demand. Prices continued unchanged.

Glycerin — This market was quiet last week with refined prices sustained at prior levels. There were some rumors of 36c. per pound, CP glycerin being offered, but this was unconfirmed as far as could be determined. Both the natural and the synthetic material were priced at competitive levels with consumers taking their usual amounts of glycerin. Stocks were currently in excess of the demand due to the general poor business trend since last year. Additional quantities of the synthetic material have made their appearance on the market thus helping to swell the already surplus stocks of natural glycerin.

Sales of soap and synthetic detergents in 1951 declined 7.9 percent from 1950 levels, according to the Association of

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Cocoa butter, 3½c. per lb.

Prices Reduced

Menthol, Brazilian, 25c. per lb.
Molasses, blackstrap, ½c. per gal.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Mar. 2, 1951
256.7	257.5	259.9	255.8	271.7

(For Current Prices see Page 9)

PURCHASING AGENT'S BUYING GUIDE

RIBOFLAVIN U.S.P.
and Riboflavin-5'-Phosphate Ester Compounds

Quality ▸ Roche Riboflavin
United States Pharmacopoeia (XIV)

Source ▸ HOFFMANN-LA ROCHE INC.
VITAMIN DIVISION NUtley 2-5000

Supply ▸ Manufactured by the tons. Samples available on request.

Special qualities ▸ Three U.S.P. types of Roche Riboflavin are available:
REGULAR—for tablets, capsules, powders, premixes.
SOLUTIONS TYPE—recommended for preparation of parenteral and other solutions. Less likely to crystallize from super-saturated solutions.
HI-SOL—Unusually high initial solubility increases degree of super-saturation. This may be transient with resulting precipitation.
Also available are:
Riboflavin—5'—Phosphate Sodium and Riboflavin—5'—Phosphate Diethanolamine. These types have extremely high degrees of solubility in water.

Packaging ▸ Packed in polyethylene bags in fibre drums in range of sizes as follows:
REGULAR—available in 1 to 20 Kg.
SOLUTIONS TYPE—available in 1 to 10 Kg.
HI-SOL (Hygroscopic)—available in 100 and 500 gram glass bottles.
5'—PHOSPHATE ESTER COMPOUNDS—in polyethylene bags in fibre drums.
Smaller quantities in amber screw cap bottles.

ROCHE B2

CALL ROCHE FOR VITAMINS
Vitamin A acetate and palmitate synthetic
Ascorbic Acid Sodium Ascorbate
Riboflavin Riboflavin-5'-Phosphate Sodium
Riboflavin-5'-Phosphate Diethanolamine
Thiamine hydrochloride Thiamine mononitrate
Biotin Panthenol Pyridoxine hydrochloride
Niacin Niacinamide
dl-alpha-Tocopherol unesterified and acetate

VITAMIN DIVISION
HOFFMANN-LA ROCHE INC.
Nutley 10, New Jersey NUtley 2-5000
Pacific Coast: L. H. BUTCHER COMPANY, San Francisco, Los Angeles, Seattle, Portland, Salt Lake City
In Canada: Hoffmann-La Roche, Ltd., Montreal, Que.

PROCTER & GAMBLE
Gwynne Building, Cincinnati 2, Ohio
Commerce Building, 155 East 44th Street
New York 17, N. Y.

Glycerine
ALL GRADES

9 CONVENIENTLY LOCATED
PRODUCING AND REFINING PLANTS
ASSURE PROMPT SHIPMENTS AND DELIVERIES

LEVER BROTHERS COMPANY
Producers and Refiners of
GLYCERINE
390 Park Avenue New York, N. Y.

Chlorophyll...
for pharmaceutical and industrial use
SPECIAL PRODUCTS DIVISION—
NATIONAL ALFALFA DEHYDRATING & MILLING CO.
Sales office — 19 Rector St., New York 6, N. Y.
Phone: Digby 4-0766

A DEPENDABLE
SOURCE OF SUPPLY
FOR
ETHYL
ALCOHOL

UNITED DISTILLERS
OF AMERICA, INC.
Empire State Building
New York City
LAckawanna 4-3570
UDA

PLANTS: Gretna, Louisiana—Yonkers, New York

American Soap and Glycerin Producers, Inc. On the other hand, sales of liquid soaps and synthetic detergents was up about 18 percent over those in 1950.

Synthetic detergents have cut in to the soap business to a great extent and while soap sales have sagged, those of the detergents have continued their climb. It is conceivable that the continued growth in the consumption of synthetic detergents will serve to curtail natural glycerin production somewhat if soap sales continue to decrease.

Pentaerythritol—Supplies of this polyol have been caught up with demand for some time. With the completion of expanded production facilities one producer recently announced the ability to meet demand fully. Other producers have also increased their productive capacity with the result that consumers were virtually assured of adequate supplies of PE. As a result of the continued research in the formulation of synthetic resins, penaterythritol has firmly established itself in the protective coatings industry and has heretofore enjoyed a substantial economic advantage over glycerin. Currently, due to two successive drops in refined glycerin prices since the first of the year, glycerin was some 6c. per pound higher than PE. However, this was not expected to have too much bearing on the future consumption of pentaerythritol in synthetic resins since it has proven its technical value when compared with other polyols in this application. While PE itself was currently in adequate supply, its di and tri isomers were reportedly quite tight and expected to continue short for some time.

Methanol — Demand for synthetic methanol has eased off slightly. The mild winter and the general slow business trend were primarily responsible, according to some observers in the industry. Supplies were coming more into balance with the demand and producers offered occasional tankcars of the material on a spot basis. Some large consumers were not taking as much methanol as had been anticipated with the result that a tankcar could be obtained without too much trouble. A few producers, however, reported that methanol was about as tight as it had been in the past but these constituted the minority. With formaldehyde consumption on the upswing, it appeared that the current situation would be of short duration.

The situation in natural methanol, denaturing grade, was one in which supplies were beginning to accumulate due to the decreased denaturation of ethyl alcohol by producers. The ethyl alcohol market, of course, has been poor for some time. However, the main reason for the slump in the consumption of natural methanol, according to some observers, was the fact that fermentation producers had slowed up operations to a great extent while negotiating for cheaper molasses than is currently being offered in Cuba. With better than two months stocks on hand in some cases, fermentation producers were patiently awaiting a break in the molasses market. Meanwhile, natural denaturing methanol has continued to back up creating a temporary surplus in the market, it was said.

Undoubtedly supplies of natural meth-

Dawe's means Dependable
producers of
FISH LIVER OILS
VITAMIN A CONCENTRATES
VITAMIN D_2
VITAMIN D_3
CHOLINE CHLORIDE
Dawe's Vitamins, Inc.
4800 S. RICHMOND ST.
CHICAGO 32, ILL.

1 (+) Arginine
(free base)
Write for Quotations
NELSON-WELLS & CO.
Box 348
RED BLUFF, CALIF.
Telephone 809-W-3

bb MERCUROPHYLLINE
U.S.P.
blackman brands, inc.
diamond 3-5000
Write for Latest Price List.
leuning street, south hackensack, new jersey

IN ABUNDANT SUPPLY...
PHOSPHORYLATED ADENOSINE COMPOUNDS
Schwarz
Adenosine-5-Phosphoric Acid
(MUSCLE ADENYLIC ACID, AMP)
Adenosine-3-Phosphoric Acid
(YEAST ADENYLIC ACID)
Adenosine Triphosphate
(ATP)
Results of biochemical and medical research are stimulating increased clinical interest in the phosphorylated adenosine compounds. AMP and ATP are important for their possible value in cardiac and neuritic ailments, rheumatoid arthritis, pruritus, malnutrition, and metabolic disturbances. Yeast adenylic acid has been used in rheumatic, sinus, and other chronic conditions.
Since Schwarz processes for obtaining AMP and ATP do not require the use of animal tissues as raw materials, our supply of the phosphorylated adenosines is potentially unlimited.
Schwarz fine chemicals meet the exacting requirements of products intended for laboratory and clinical use.
Write for revised price list
Schwarz LABORATORIES, INC.
202 East 44th St., New York 17, N. Y.

anol will be adequate in the immediate future but for how long the situation would last was a matter for conjecture. Whether ethyl alcohol consumption will continue at its current low level could not be accurately foretold but it was a certainty that natural methanol consumption would be directly related to alcohol production.

Production of natural methanol (100 percent CH_3OH) in December last year was down considerably from that during the preceding month, totaling 115,000 gallons compared to the 175,000 gallons turned out in November, 1951. Productions according to the Bureau of Census. tion in December, 1950, was 162,000 gal-

Molasses—Feed molasses prices declined ½c. per gallon in New Orleans, Houston and most east coast points. On the west coast, the current price for cane blackstrap was $46 per ton, a decline of $2 per ton from the preceding week. The demand for cane blackstrap was slow to moderate at most points. Supplies of cane blackstrap were adequate for present demand at all points with the exception of Savannah.

At feed-mixing centers such as Kansas City, cane blackstrap was 34.3c. per gallon, while at Minneapolis it was 36.6c. per gallon and 32c. at Chicago.

Beet molasses demand was good to moderate, with supplies adequate. The demand for citrus and hydrol molasses continued good to strong, with supplies very limited. Citrus molasses prices ranged from 14.3c. to 17.1c. per gallon at Florida points.

Estimated blackstrap production for the current season in Mexico was 64,900,000 gallons, according to the Diario Official of January 28, 1952. Of this amount 26,600,000 gallons will be for export, 33,600,000 gallons for the manufacture of alcohol and 4,700,000 gallons for direct use by domestic industry.

Silver Nitrate—Demand for this material was seasonal and supplies were said to be adequate for current inquiry. Primary production of silver nitrate (100% $AgNO_3$) in December last year totaled 4,609,000 ounces compared to a revised production figure of 4,505,000 ounces in November, 1951. Production in December, 1950, was considerably greater than that during December of 1951, totaling 6,434,000 ounces.

Alcohol Withdrawal Rules Eased by Revenue Bureau

The alcohol tax unit of the Bureau of Internal Revenue has amended its regulations covering the withdrawal of specially denatured alcohol by pipeline in order to liberalize the restrictions on this movement. The changes were made effective February 28.

The purpose of the amendments is to authorize pipeline removals of specially denatured alcohol from a denaturing plant to contiguous bonded dealers premises operated by the denaturer, consistent with existing authority to make such transfer by pipelines to contiguous manufacturing premises operated by the denaturer.

Merck Appoints Fiaccone Manager of Georgia Plant

Merck & Co., Rahway, N. J., has appointed Hubert N. Fiaccone manager of the new Flint River plant to be built at Albany, Ga., this year. Mr. Fiaccone is plant engineer at the company's Stonewall plant at Elkton, Va. He joined Merck in 1942.

OPS Revises Molasses Rule

The Office of Price Stabilization has announced that it has amended its industrial molasses regulation to make it conform more closely to standard industry practices. The changes are contained in amendment 1 to the industrial molasses regulation (CPR 89) and take effect today. Of three changes made by the amendment, the most important affects producers making small volume sales in less carlot lots. The revision redefines the conditions under which producers may charge price differentials above the carlot price on less than carlot sales. The other two changes concern differentials between sales in tankcars and sales made from tank trucks, and molasses ceilings for livestock feeding in Hawaii.

Guthmann in New York

Dr. Walter S. Guthmann, president, and Seth L. Szold, vice-president and treasurer, of Edwal Laboratories, Chicago, will be in New York on business all this week. They may be reached at the Commodore hotel.

300
CHEMICALS
for the
CHEMICAL MANUFACTURING
INDUSTRY
CHEMICAL
DEPARTMENT
McKESSON & ROBBINS
INCORPORATED
NATIONWIDE DISTRIBUTORS OF
HEAVY AND FINE CHEMICALS

Greeff
THIOPHENE
•
BENZONITRILE
Now Available in Commercial Quantities
SALES AGENTS FOR
SOCONY-VACUUM OIL CO., INC.
R. W. GREEFF & CO., INC.
10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

INLAND, THE HOUSE OF ALKALOIDS
PRICE COMMENSURATE WITH QUALITY SINCE 1917
ALKALOIDS
Glycosides
Powdered Extracts
Solid Extracts
Special Products Produced on Request
INLAND ALKALOID CO.
Manufacturing Chemists
905-1016 East Jefferson Street
TIPTON, INDIANA, U.S.A.

Aconitine ☐
Agaricin ☐
Arbutin ☐
Arecoline ☐
Asparagin ☐
Aspidospermine ☐
Atropine ☐
Berberine ☐
Botanical Extracts ☐
Botanical Resins ☐
Brucine ☐
Cantharidin ☐
Colchicine ☐
Digitalin ☐
Digitonin ☐
Digitoxin ☐
Duboisine ☐
Emetine ☐
Ephedrine ☐
Esculin ☐
Eserine ☐
Helenin ☐
Homatropine ☐
Hydrastine ☐
Hydrastinine ☐
Hyoscine ☐
Hyoscyamine ☐
Jalap Resin ☐
Lobeline ☐
Ouabain ☐
Pelletierine ☐
Physostigmine ☐
Picrotoxin ☐
Pilocarpine ☐
Podophyllin ☐
Powdered Extracts ☐
Quassin ☐
Rutin ☐
Sanguinarine ☐
Scammony Resin ☐
Scopolamine ☐
Solid Extracts ☐
Sparteine ☐
Strophanthin ☐
Strychnine ☐
Yohimbine ☐

Help your product Sell itself with these AMINES...

Aminoethylethanolamine — for textile finishing compounds, surface active agents.

Ethylenediamine — an intermediate for fungicides, pharmaceuticals, thermoplastic resins.

Diethylenetriamine — catalyst for epoxide resins; for addition agents to improve spreading of oily substances on glass and stone.

Triethylenetetramine — for ion exchange resins in water purification; for antifoaming agents.

Tetraethylenepentamine — for ion exchange resins in sugar refining; for crude petroleum demulsifiers.

Carbide and Carbon Chemicals Company
A Division of Union Carbide and Carbon Corporation
30 East 42nd Street UCC New York 17, New York
Offices in Principal Cities
In Canada: Carbide and Carbon Chemicals, Limited, Toronto

PARA AMINO BENZOIC ACID USP
SODIUM PARA AMINO BENZOATE
PUROCAINE, INC. *Manufacturing Chemists*
Hockessin, Del.

Heyden
PARASEPTS®
Neutral esters of parahydroxybenzoic acid with high preservative powers against mold and bacterial action—for creams, lotions, fats, oils, gums, glues, etc.
METHYL, ETHYL, PROPYL, BUTYL, and BENZYL PARASEPT

SODIUM BENZOATE • BENZOIC ACID
Preservatives for food and beverage products

PROPYL GALLATE
A powerful stabilizer for edible oils and fats and antioxidant for ethers, waxes and emulsions.
Technical data on request.

FINE HEYDEN CHEMICALS
HEYDEN CHEMICAL CORPORATION
393 SEVENTH AVENUE • NEW YORK 1, N. Y.
CHICAGO • PHILADELPHIA • SAN FRANCISCO • DETROIT • PROVIDENCE

MSA Announces Additional Procurement Authorizations

Among the new procurement authorizations issued to MDAP countries during the period January 25 to February 28 by the Mutual Security Agency were the following:—

To Austria—$362,000 for zinc and zinc products from the United States.

To China—$73,000 for chemicals from the United States, United Kingdom, Germany, Italy, Japan, France, Belgium and Latin America; $59,000 for copper and copper products from the United States, Japan, France, Belgium, Luxenbourg, United Kingdom and Germany.

To France—$1,505,000 for petroleum from the United States; $6,690,000 for petroleum from the Middle East and Latin America; $500,000 for nonferrous ores from Latin America; $500,000 for nonmetallic minerals from Canada.

To French North Africa—$760,000 for tinplate from the United States.

To Germany—$214,000 for tin ores from Latin America.

To Greece — $100,000 for chemicals, $100,000 for tinplate, and $200,000 for petroleum from the United States.

To Indo-China—$500,000 for nonmetallic minerals from the United States and Japan.

To Italy—$111,000 for chemicals and $30,000 for nonmetallic minerals from the United States; $54,000 for nonferrous ores from Canada; $2,649,000 for petroleum from the Middle East.

To Netherlands—$225,000 for essential oils, $3,500,000 for tinplate, $210,000 for blackplate, $2,100,000 for linseed oil, $800,000 for copper products, $2,600,000 for soybeans, $1,800,000 for flaxseed, $700,000 for tallow and other animal fats and oils, $1,175,000 for chemicals, $80,000 for medicinal preparations, $196,000 for nonmetallic minerals, and $31,000 for hides and skins from the United States; $864,000 for aluminum, and $100,000 for nonmetallic minerals from Canada; $150,000 for hides and skins from Latin America; $4,470,000 for petroleum from the Middle East.

To Norway — $936,000 for petroleum from Latin America.

To Philippines—$70,000 for chemicals from the United States and other countries.

To Thailand — $27,000 for aureomycin ointment from the United States.

To United Kingdom — $4,000,000 for crude sulphur, $2,585,000 for chemicals, and $1,200,000 for molybdenum from the United States; $500,000 for chemicals, $1,000,000 for tungsten, $44,000,000 for aluminum and $14,000,000 for copper products from Canada; $1,200,000 for tungsten and antimony from Latin America.

To Yugoslavia—$113,000 for refined sulphur, $254,000 for tallow and other animal fats and oils, and $308,000 for petroleum from the United States; $1,575,000 for petroleum from the Middle East.

USP Announces Changes In Vitamin B_{12} Assay Text

The United States Pharmacopeia has announced two changes in the text of its vitamin B_{12} activity assay for the third USP XIV supplement. On page fifteen, on the section on culture medium, it has added the following sentence:—"Cool as rapidly as possible to avoid color formation resulting from overheating the medium."

Also on page fifteen, in the section on inoculum, it has changed the next-to-the-last sentence to read as follows:—"Finally resuspend the cells in 10 cc. of sterile suspension medium, add 1 cc. of this suspension to 10 cc. of sterile suspension medium and mix."

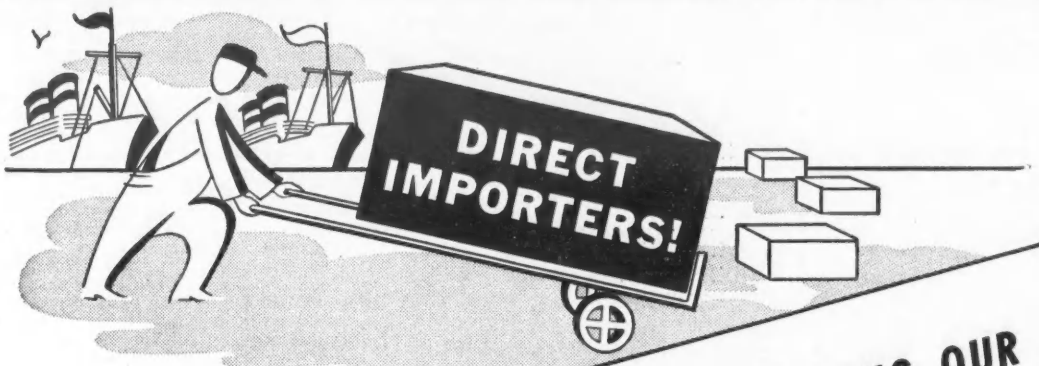
FINE ORGANICS and PHARMACEUTICALS
albumin tannate, medicinal
antipyrine salicylate, medicinal
benzyldisulfide, pure
calcium benzylphthalate, medicinal
calcium borogluconate, medicinal
calcium camphosulfonate, pure
Write Dept. O2 for our catalog
Fine Organics, Inc., 211 e. 19th st. new york 3 n. y.

Magnesium Trisilicate, U. S. P.
Cetyl Alcohol, N. F.
Trichloracetic Acid, U. S. P.
Potassium Bicarbonate, U S. P.
Aceto CHEMICAL COMPANY INC.
82 BEAVER ST., New York 5, N. Y.
Digby 4-9760

VITAMIN D_2 and D_3
All forms for convenient addition to your formulas
CHARLES BOWMAN & CO.
Bowman Products
220 East 42nd St., New York 17, N. Y.
110 North Franklin St., Chicago 6, Ill.
W. Glenn Wunderly, 170 E. California St., Pasadena 1, Calif.

AMMONIUM CHLORIDE
U.S.P. C.P. A.C.S.
Granular and Powder
We also manufacture:
Allantoin
Murexide
Uric Acid
Uric Acid Derivatives
Ammon. Sulfate, Refined & A.C.S.
Pot. Chloride, U.S.P. & A.C.S.
Sod. Chloride, U.S.P. & A.C.S.
Pot. Sulfate, N.F. & A.C.S.
SCHUYLKILL CHEMICAL COMPANY
2346 Sedgley Avenue Philadelphia 32, Pennsylvania

TRONA
Muriate and Sulphate of POTASH
Desiccated SODIUM SULPHATE
BORAX & BORIC ACID
PENTAHYDRATE BORAX
PYROBOR Dehydrated Borax
LITHIUM CARBONATE Technical
TRONA
Sodium, Potassium and Ammonium BROMIDES U. S. P.
BROMINE
SALT CAKE
SODA ASH
AMERICAN POTASH & CHEMICAL CORPORATION
122 EAST 42nd STREET • • • NEW YORK 17, N. Y.
38 SO. DEARBORN STREET CHICAGO 3, ILLINOIS
214 WALTON BUILDING ATLANTA 3, GEORGIA
3030 WEST SIXTH STREET LOS ANGELES 54, CALIF.



WE TAKE PRIDE IN ANNOUNCING OUR APPOINTMENT
AS EXCLUSIVE AGENTS FOR

EVANS MEDICAL SUPPLIES LTD.
LIVERPOOL, ENGLAND

"old established manufacturers of pharmaceutical chemicals of world-wide renown."

• • • •

We carry New York Stocks
of the following Chemicals

MAGNESIUM TRISILICATE U.S.P.
ALUMINUM HYDROXIDE U.S.P., Powder
SODIUM GLYCEROPHOSPHATE N.F.
POTASSIUM GLYCEROPHOSPHATE 75%
GLYCEROPHOSPHORIC ACID 35% U.S.P.
BARIUM SULPHATE, X-Ray Grade
(SUPER SUSPENSIBLE)

UNEXCELLED QUALITY — ATTRACTIVE PRICES

Gallard-Schlesinger Chemical Co.

92 LIBERTY STREET, NEW YORK 6, N.Y.
REctor 2-0262 Cables: GALLARDKEM

Trade BPC Mark

Fine Chemicals

PHARMACEUTICAL CHEMICALS

AMINOACETIC ACID (GLYCOCOLL)
AMINOPHYLLINE
BENZOCAINE
CHINIOFON (YATREN)
CHLORBUTANOL
CINCHOPHEN
CINCHOPHEN SODIUM
8-HYDROXYQUINOLIN
IODOXYQUINOLIN SULPHONIC ACID
NEO CINCHOPHEN
OXYQUINOLIN BENZOATE
OXYQUINOLIN SULPHATE
POTASSIUM OXYQUINOLIN SULPHATE
PENTOBARBITAL SODIUM
PHENOBARBITAL
PHENOBARBITAL CALCIUM
PHENOBARBITAL SODIUM
THEOPHYLLINE

AROMATIC and FLAVORING CHEMICALS

BENZYL ALCOHOL
CINNAMIC ACID
DIACETYL
ETHYL PHENYL ACETATE
METHYL CINNAMATE
PHENYL ACETIC ACID

TECHNICAL CHEMICALS and INTERMEDIATES

BENZALDEHYDE
BENZOIN
BENZYL ALCOHOL
BENZYL CHLORIDE
BENZYL CYANIDE
CYANOACETAMIDE
DIPHENYL ACETIC ACID
ETHYL CYANO ACETATE
8-HYDROXYQUINOLIN-5-SULPHONIC ACID

PENICILLIN PRECURSORS

PHENYLACETIC ACID
PHENYLACETAMIDE
BETA PHENYLETHYLAMINE
POTASSIUM PHENYL ACETATE SOLUTION

Our Accredited Sales Agents

EDWARD S. BURKE
65 Pine St., New York 5, N. Y.

F. L. BODMAN, INC.
328 Chestnut St., Philadelphia 6, Pa.

DILLONS CHEMICAL CO., LTD.
137 Wellington St., W., Toronto 1, Canada

DILLONS CHEMICAL CO., LTD.
410 St. Nicholas St., Montreal 1, Canada

DROGAS Y PRODUCTOS QUIMICOS
F. de Alva Ixtlixochitl 45-A, Mexico, D. F.

MEFFORD CHEMICAL CO.
1026 Santa Fe Ave., Los Angeles 21, California

BENZOL PRODUCTS CO.
NEWARK 5, N. J.

CRMA Gives Statistical Picture of Chemicals

—Continued from page 7

antibiotics and presented the following United States production and sales data:—

Streptomycin and Dihydrostreptomycin

	Production (Lbs.)	Sales (Lbs.)
1945	n.a.	...
1946	2,600	2,100
1947	22,600	20,300
1948	81,900	70,000
1949	193,300	168,200
1950	203,500	208,700
*1951	321,200	.....

Penicillin

	Production (B.U.)	Sales (B.U.)
1944	1,600	...
1945	7454	7,092
1946	27,415	20,361
1947	42,028	37,066
1948	92,945	64,555
1949	138,103	109,841
1950	219,903	182,943
*1951	320,000	.....

*Estimated

United States exports of antibiotics, as presented by Mr. Packard, were as follows:—1949, $28,277,868; 1947, $34,196,965; 1948, $71,446,012; 1949, $85,822,063, and 1950, $93,288,213.

Formaldehyde Industry Traced

A. A. Williams, of the chemical division of the Celanese Corporation of America, traced the growth of the formaldehyde industry and reported on production and sales figures, in pounds, from 1939 through 1951, with estimates for 1952, 1955 and 1956, as follows:—

	Production	Sales
1939	134,478,000	91,160,000
1940	180,884,000	107,999,000
1941	309,912,000	102,034,000
1942	347,463,000	221,887,000
1943	522,920,000	243,360,000
1944	522,440,000	344,902,000
1945	423,689,000	282,051,000
1946	458,877,000	341,507,000
1947	520,642,000	388,389,000
1948	617,187,000	418,253,000
1949	549,744,000	331,439,000
1950	835,142,000	509,419,000
1951	950,000,000	600,000,000
1952	1,000,000,000	.....
1955	1,200,000,000	.....
1956	1,350,000,000	.....

Sulphur Outlook Dim

The luncheon speaker, A. Lucian Walker, jr., of the Texas Gulf Sulphur Company, declared that recent articles on increased sulphur production have shown an unwarranted optimism. A number of present workings are about to be abandoned, he said, and new mines may well be delayed by difficulties in obtaining new equipment and construction material.

Another fruitful cause of delay, Mr. Walker said, is the lack of manpower in Washington. He urged that industry free more businessmen for government duty and ease the log jam of questions that are placing undue pressure on the few men in DPA and NPA who must give the answers.

Role of Market Research

G. B. Tallman, associate professor of marketing at Massachusetts Institute of Technology, voiced the opinion that marketing research must seek a critical analysis of all phases of the company's sales and promotion activities, rather than devote itself solely to the collection of statistics.

In his mind, marketing research should not report directly to the president, lest it acquire the tag of front office espionage. Rather, he said, it should be broadly useful to all divisions of the business, taking care not to become so occupied with the application of technics that it loses sight of the actual values of its results.

W. Alec Jordan, editor of "Chemical Week," discussed the chemical outlook for 1952, which he characterized as "bright but not blindingly bright." Twenty-one billion dollars allocated by all industry to plant expanson this year, he said, argues firm faith in the American economy. Of this sum, he added, the chemical industry will contribute one and six-tenths billion dollars, mainly from retained earnings.

Over-Expansion Danger

Mr. Jordan cited certain instances of erroneous over-expansion by individual companies in too-ready response to current materials fads and urged that the future be faced with a balanced outlook and a determination to cope with its problems with intelligent conviction.

Claude Brown of the Interchemical Corporation, substituted for his president, Herbert B. Woodman, and delivered the dinner address, "Considerations Behind Capital Outlays."

O. B. J. Fraser of the International Nickel Company arranged the program, with the assistance of L. H. Flett, National Aniline Division of Allied Chemical & Dye Corporation, and W. A. Auchincloss of OIL, PAINT & DRUG REPORTER. The annual meeting of the association will be held in New York on June 5 and the fall meeting at Mt. Tremblant Lodge, ninety miles north of Montreal, September 25 and 26.

ORIGINAL PRODUCERS OF MAGNESIUM SALTS FROM SEA WATER

Magnesium salts from the sea

MAGNESIUM
CARBONATES
HYDROXIDES
OXIDES

MARINE MAGNESIUM
PRODUCTS DIVISION
OF MERCK & CO., INC.

Main Office, Plant and Laboratories
SOUTH SAN FRANCISCO, CALIFORNIA

Distributors:

WHITTAKER, CLARK & DANIELS, INC.
200 West Broadway, New York
CHICAGO: Harry Holland & Son, Inc.
PHILADELPHIA: R. Peltz Co.
TORONTO: Richardson Agencies, Ltd.
PALMER SUPPLIES CO.
Cincinnati, Cleveland
G. S. ROBINS & CO.
126 Chouteau Avenue, St. Louis
THE C. P. HALL CO.
Akron, Chicago, Los Angeles, Newark

Write for Brochure

BREWERY EQUIPMENT *Copper Kettles, Large Lot Copper, Iron Pipe and Scrap* **BREWERY SUPPLIES**

BROOKLYN, N. Y.

PUBLIC AUCTION

Hundreds of thousands of dollars worth of late type brewery equipment consisting of Copper Brew Kettles, Glass Lined Tanks, Bottling Mach., Ammonia Compressors, Electrical Motors, Etc.

of the Brooklyn Plant of

EDELBREW BREWERY

1 Bushwick Pl. *(on the premises)* **Brooklyn, N. Y.**

TUESDAY—MARCH 11, 1952—11:00 A.M.

74 one-piece, glass lined tanks; 55 Pfaudler, glass-lined sectional tanks; 48 wood tanks; 2 Meyer-Dumore, Cataract, automatic Pasteurizers; 1 Heil automatic Cataract Pasteurizer (installed new in 1947); copper kettles and cookers; refrigeration equipment and compressors; CO_2 equipment; 2 COMPLETE MACHINE SHOPS; miscellaneous pumps, motors, 1200 ft. of Alvey conveyor for cases; bottle conveyors, fillers, 8 automatic labelers, hundreds of fittings, valves, rubber hose, thermometers, recorders, gauges, etc.; tons of copper pipe, tubing and ammonia pipe, steel I-beams, tons of scrap, etc.

Inspection: Daily (10:00 a.m. to 4:00 p.m.) To Date of Sale

To Be Sold in Single Lots Only: Immediate Delivery

Terms: Cash or Certified Checks

For Detailed Information — WRITE — WIRE — PHONE

RALPH ROSEN

Auctioneer *Liquidator* *Appraiser*

Genesee Bldg. **WA-2957** **Buffalo, N. Y.**

gane's

BARBITAL

- AMINOPHYLLINE
- BENZOCAINE
- PENTOBARBITAL SODIUM
- PHENOBARBITAL
- SODIUM PABA
- THEOPHYLLINE

manufactured by

GANE'S CHEMICAL WORKS, INC.

677 Fifth Avenue, New York 22, N. Y. • PLaza 3-8980

QUICK FACTS about

PENTOBARBITAL LEMKE
and
PENTOBARBITAL SALTS

- **PENTOBARBITAL BASE**
- **PENTOBARBITAL CALCIUM**
- **PENTOBARBITAL SODIUM USP**

Pentobarbital Base and its Calcium and Sodium Salts are used as an antispasmodic and hypnotic, prior to surgery, in obstetrics, and other cases where a brief yet pronounced sedative effect is desired.

Pentobarbital Lemke and its Sodium and Calcium Salts are of the highest physical and chemical uniformity—and as a result are preferred by pharmaceutical manufacturers throughout the world.

Complete specifications, cost data and other pertinent information gladly furnished.

B. L. LEMKE & CO., INC.

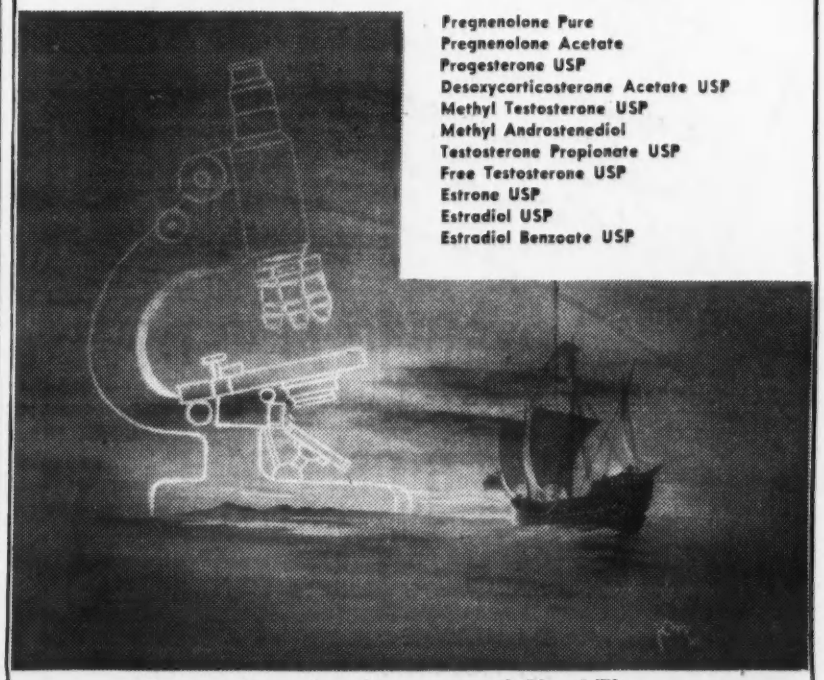
Manufacturing Chemists

PLANT AND OFFICES — LODI, NEW JERSEY

New York Telephone: BRyant 9-0677 — Lodi Telephone: Prescott 7-5805

HORMONES

STANDARDIZED & BIOLOGICALLY CONTROLLED



Pregnenolone Pure
Pregnenolone Acetate
Progesterone USP
Desoxycorticosterone Acetate USP
Methyl Testosterone USP
Methyl Androstenediol
Testosterone Propionate USP
Free Testosterone USP
Estrone USP
Estradiol USP
Estradiol Benzoate USP

Pioneers in modern Hormone and Gland Therapy

GEDEON RICHTER

PHARMACEUTICAL PRODUCTS, INC.

20 Exchange Place **New York 5, N. Y.** Cable: Lecithin

MEXICO CITY:
Blvd. Miguel Cervantes Saavedra 5
Mexico, D. F.
Cable: Prorich

LONDON:
14-18 Weedington Rd.
London N. W 5
Cable Lecithin

ORGANIC PEROXIDES

KETONE PEROXIDES

LUPERSOL* DDM
(60% Methyl Ethyl Ketone Peroxide in Dimethyl Phthalate)

LUPERSOL* FDM
(80% Methyl Isobutyl Ketone Peroxide in Dimethyl Phthalate)

METHYL AMYL KETONE PEROXIDE

CYCLOHEXANONE PEROXIDE, TECHNICAL

ALSO AVAILABLE

ALDEHYDE PEROXIDES **DIACYL PEROXIDES**

ALKYL HYDROPEROXIDES AND DERIVATIVES

SPECIAL ORGANIC PEROXIDES

*REGISTERED TRADEMARK

TRADE MARK

LUCIDOL DIVISION
NOVADEL-AGENE CORPORATION
BUFFALO 5, NEW YORK

Do you manufacture Steroids?
Simplify your process -
Get better yields use

PYRUVIC ACID C.P.

FOR SEMICARBAZONE SPLITTING

2-4-6 COLLIDINE

FOR DEHYDROBROMINATION

We also manufacture

2-4 LUTIDINE
α-PICOLINE
β,γ-PICOLINES
TAR BASES

BROTHERS manufactures special lots of fine organics. Call ORange 5- 6100.

BROTHERS PHARMACAL CO.
ORANGE NEW JERSEY

Imports at United States Ports

New York

ABURAGAREILIVER OIL—3 dms, Public National Bank & Trust Co, Yokohama
3 dms, Bankers Trust Co, Yokohama
4 dms, Transocean Commerce Inc, Yokohama
ACETYLSALICYLIC ACID—100 cks, Lo Curto & Funk, Rotterdam
ALBUMEN—200 cs, National City Bank, Genoa
ALCOHOL, CETYL—17 cs, Liverpool
ALPHAPICOLINE—11 dms, American Union Transport, Antwerp
AMMONIUM BIFLUORIDE—40 cks, Aceto Chemical Co, Rotterdam
CHLORIDE—800 bgs, Liverpool
PERSULPHATE—132 cks, Berkshire Chemicals, Rotterdam
ANILIN DYES—14 dms, Sandoz Chemical Works, Hamburg
30 dms, Ciba Co, Rotterdam
43 dms, Geigy Co, Rotterdam
11 dms, Heemsoth Kerner, Liverpool
ANTIMONY ORE—956 bgs, C Tennant Sons & Co, Antofagasta
1,234 bgs, South American Minerals & Mdse Corp, Antofagasta
841 bgs, Metal Transport Corp, Antofagasta
REGULUS—50 cs, C Gitlan & Co, Antwerp
ARSENIC—48 bbls, Tampico
ASBESTOS FIBER—260 bgs, Pellew Wilson & Co, Durban
600 bgs, Pabco Products Inc, Lourenco Marques
1,700 bgs, Johns Manville Corp, Lourenco Marques
BARIUM CHLORIDE—100 bgs, Rotterdam
NITRATE—120 bbls, Berkshire Chemicals, Rotterdam
BAUXITE ORE—550 tons, E J Lavino, Georgetown
BEESWAX—18 bgs, Schutte & Focke, Barahona
87 blks, Manufacturers Trust Co, Djibouti
87 blks, T F Grant, Djibouti
100 bgs, Curacao Trading Co, Ciudad Trujillo
33 bgs, H H Pike, Ciudad Trujillo
13 bgs, D Steengrafe & Co, Havana
20 bgs, Havana
BELLADONNA ROOT—10 bgs, Inland Alkaloid Co, Rijeka
BERYLLIUM ORE—760 bgs, Pellew Wilson & Co, Lourenco Marques
BILE—1 bbl, River Plate Trading Co, Valparaiso
BISMUTH—32 bxs, Cerro de Pasco Corp, Callao
BLEACHING POWDER—429 dms, Liverpool
BONE—410 bgs, Ovimpex Inc, Barranquilla
BLACK—500 bgs, Chase National Bank, Alexandria
MEAL—2,205 bgs, Wessel Duval & Co, Hamburg
1,500 bgs, Riches-Nelson, Antwerp
1,000 bgs, Transatlantic Animal By Products Corp, Antwerp
1,102 bgs, Gallard Schlesinger, Hamburg
441 bgs, Wessel Duval & Co, Antwerp
CAFFEINE, ANHYDROUS—17 cs, Rotterdam
CARAWAY SEED—100 bgs, R L Friedler, Rotterdam
100 bgs, Rotterdam
CASSIA—200 bls, J H Schroder, Hong Kong
200 bls, Becker Mayer Seed Co, Honk Kong
169 bls, A G Dunn, Tandjong Priok
CASTOR BEANS—386 bgs, Spencer Kellogg, Port au Prince
474 bgs, Spencer Kellogg, Cape Haitien
250 bgs, Rotterdam
685 bls, Rotterdam
OIL—100 tons, Baker Castor Oil Co, Santos
563 tons, Bunge Corp, Santos
145 tons, Archer-Daniels-Midland, Antwerp
100 tons, Hardesty Chemical Co, Antwerp
127 dms, Brown Oil & Chemical Corp, Buenos Aires
140 dms, Argam Commercial Co, Buenos Aires
CERIUM OXIDE—13 dms, Metallo Chemical Corp, Havre
CHAMOMILE FLOWERS—77 bgs, Max Van Pels, Rijeka
CHESTNUT EXTRACT — 2,000 bgs, Barkey Importing Co, Genoa
1,000 bgs, Naples
CINCHONA PRODUCTS—5 cs, Guaranty Trust Co, Rotterdam
CITRONELLA OIL—50 dms, United Asiatic Co, Keelung
18 dms, Trianon Overseas Co, Keelung
12 dms, Magnus, Mabee & Reynard, Keelung
25 dms, Lo Curto & Funk, Keelung
25 dms, Bank of Manhattan Co, Hong Kong
14 dms, Chavlier & O'Connor, Colombo
34 dms, Dodge & Olcott, Colombo
CLOVE OIL—24 futs, Magnus, Mabee & Reynard, Tamatave
22 dms, Gillespie & Co, Tamatave
26 dms, Maywood Chemical Works, Tamatave
5 futs, S B Penick & Co, Tamatave
5 futs, Lo Curto & Funk, Tamatave
23 futs, Dodge & Olcott, Tamatave
23 futs, Ungerer & Co, Tamatave
LEAF OIL—10 dms, Lo Curto & Funk, Tamatave
CLOVES—400 bgs, Fuerst Bros, Havre
200 bgs, A T Sherman, Havre
200 bgs, Dodge & Olcott, Tamatave
100 bgs, Frank Tea & Spice Co, Tamatave
600 bgs, Mincing Trading Corp, Tamatave
100 bgs, W L Willner & Co, Tamatave
100 bgs, B H Old & Co, Tamatave
800 bgs, A G Dunn, Tamatave
600 bgs, Otto Gerdau, Tamatave
600 bgs, George Lueders & Co, Tamatave
COALTAR DYES—16 cks, Hensel Bruckmann & Lorbacher, Rotterdam
40 bbls, C A Haynes, Antwerp
CODLIVER OIL — 100 dms, Whitmoyer Lab, St Johns
80 dms, Corn Exchange Bank, Lisbon
COLUMBITE ORE—20 bgs, Lourenco Marques
COPAL GUM—182 bkts, Internatio Rotterdam, Macassar
28 bkts, Wm H Scheel, Macassar
COTTON LINTERS—227 bls, Kauders Steuber Co, Rio de Janeiro
CRESYLIC ACID—13 dms, H A Gogarty, Liverpool
138 dms, Lehn & Fink, Liverpool
65 dms, Liverpool
DAMMAR GUM—150 cs, Internatio Rotterdam, Tandjong Priok
DEXTRIN—50 bgs, Rotterdam
DICALCIUM BONE PHOSPHATE—2,000 bgs, A V Berner & Co, Antwerp
DOGWOOD BARK—64 bls, Lydia E Pinkham, Kingston
EPSOM SALT—1,400 bgs, Berkshire Chemicals, Bremen
2,000 bgs, Lo Curto & Funk, Bremen
200 bgs, Innis Speiden & Co, Bremen
ERGOT—200 bgs, National City Bank, Lisbon
EUCALYPTUS OIL—5 dms, Lo Curto & Funk, Kobe
FISHLIVER OIL—3 dms, Arista Oil Products Co, Yokohama
7 dms, Interocean Chemical & Minerals Corp, Yokohama
5 dms, Strong, Cobb & Co, Yokohama
5 dms, Nopco Chemical Co, Yokohama
50 dms, Maxim Chemical Co, Yokohama
FLOUNDERLIVER OIL—8 dms, World Commerce Corp, Yokohama
FUEL OIL—149,716 bbls, Esso Export Corp, Aruba
100,700 bbls, Royal Petroleum Corp, Curacao
99,470 bbls, Esso Export Corp, Amuay Bay
352,000 bbls, Esso Standard Oil Co, Aruba
75,548 bbls, Asiatic Petroleum Corp, Curacao
202,393 bbls, Paragon Oil Co, Curacao
96,446 bbls, Hess Inc, Punta Cardon
89,650 bbls, Hess Inc, Curacao
61,271 bbls, Hess Inc, Aruba
GALL, OX—10 trcs, International Packers Ltd, Montevideo
8 cks, J M Rodgers, Buenos Aires
10 bbls, Tupman Thurlow, Havana
GELATIN—167 dms, M J Corbett & Co, Rotterdam
GINGER ROOT—143 bgs, S B Penick & Co, Kingston
GLANDS—106 cs, Tradimex Corp, Havana
GLUE—20 bgs, Steven Shipping Co, Antwerp
STOCK—219 bls, Peter Cooper Corp, Havana
433 seroons, A Bloch Co, Ciudad Trujillo
GRAPHITE—2,750 bgs, Charles Pettinos, Tamatave
3,400 bgs, Joseph Dixon Crucible Co, Tamatave
3,650 bgs, Asbury Graphite Mills, Tamatave
28 dms, Wedemann & Godknecht, Rotterdam
GYPSUM—10,030 tons, U S Gypsum Co, Hantsport
400 bgs, Whittaker Clark & Daniels, Liverpool
HYDRAZINE SULPHATE—14 cks, Hudson Shipping Co, Rotterdam
ILMENITE SAND—10,180 tons, National Lead Co, Koilthottam
IODINE—180 kgs, International Fertilizer & Chemical Corp, Yokohama
IPECAC ROOT—9 bgs, National City Bank, Cristobal
IRON OXIDE—450 bgs, General Aniline Works, Rotterdam
900 bgs, T H Deutz Co, Rotterdam
RED—435 bgs, C B Chrystal, Malaga
50 bbls, Whitaker Clark & Daniels, Malaga
12 bbls, Aviquipo Inc, Malaga
YELLOW—104 bbls, Filo Color & Chemical Corp, Bremen
POWDER—189 dms, General Aniline Works, Rotterdam
LAC—250 bgs, Antwerp
LICORICE ROOT—5,344 bls, Mac Andrews & Forbes Co, Antwerp
LOCUSTBEAN GUM—200 bgs, Bankers Trust Co, Liverpool
MACE—14 cs A G Dunn, St George
14 cs, John Holt & Co, St George
75 cs, Catz American Co, Macassar
13 cs, Otto Gerdeau, Macassar
14 cs, C T Wilson, Macassar
MAGNESIUM SILICOFLUORIDE—109 cks, Henry Sundheimer, Rotterdam
80 cks, Gallard Schlesinger, Rotterdam
SULPHATE—1,000 bgs, Berkshire Chemicals, Bremen
2,000 bgs, Elbert & Co, Bremen
TRISILICATE—1 cs, Gallard Schlesinger, Liverpool
10 bbls, Liverpool
MANGANESE ORE—9,700 tons, E J Lavino, Takoradi
MENTHOL—20 cs, Geismar & Co, Santos
META-AMINOPHENOL—5 dms, Tuteur Biochemicals, Rotterdam
METACRESOL—5 dms, H A Gogarty, Liverpool
MILK POWDER—1,120 ctns, M E Franks, Hamburg
560 bgs, M E Franks, Hamburg
3,493 bgs, D L Sterling, Hamburg
800 bgs, National City Bank, Rotterdam
800 bgs, M E Franks, Rotterdam
400 bgs, Getaas Export Corp, Hamburg
SUGAR—100 bgs, Dyer Sugar Corp, Rotterdam
MINERAL LUBRICATING OIL—30 cs, N Y & N J Lubricant Co, Glasgow
MONOSODIUM GLUTAMATE—300 dms, Wilbur Ellis Co, Yokohama
MUSTARD OIL—9 cs, Schimmel & Co, Hamburg
MYRTLE LEAVES—11 bgs, Superintendence Co, Rijeka
NAPHTHALENE—3,000 bgs, Fallek Products Co, Yokohama
3,016 bgs, Hudson Shipping Co, Yokohama
103 dms, Reichhold Chemicals, Durban
250 bgs, Gesamar Corp, Dunkirk
NAPHTHENIC ACID—1,580 bbls, Stanco Inc, Aruba
NICKEL FORMATE—100 bgs, Guaranty Trust Co, Bremen
SULPHATE—13 bbls, Chemicore Corp, Bremen
50 cks, Industrial Sales Corp, Antwerp
NIGER SEED—370 bgs, Corn Exchange Bank, Massawa
NUTMEGS—200 bgs, Landes & Balint, St George
100 bgs, Norda Essential Oil & Chemical Co, St George
100 bgs, Otto Gerdau, St George
150 bgs, A G Dunn, St George
84 bgs, Niebrugge & Day, St George
74 bgs, Catz American Co, Macassar
63 bgs, Joensson & Cross, Macassar
126 bgs, Landes & Balint, Macassar
63 bgs, C T Wilson, Macassar
OCOTEA CYMBARUM OIL—109 dms, Lo Curto & Funk, Itajai
ORANGE OIL—10 cs, Ungerer & Co, Kingston
ORTHOCRESOL—25 dms, H A Gogarty, Liverpool
OURICURY WAX—128 bgs, Wm Diel & Co, Rio de Janeiro
PAPAIN—3 cs, C L Huisking & Co, Colombo
7 cs, Paul Lewis Laboratories, Colombo
15 cs, Prentiss Drug & Chemical Co, Colombo
PAPRIKA—300 bgs, M A Porazzi & Co, Alicante
75 bgs, Gallagher & Ascher, Alicante
255 bgs, J Weinstein, Alicante
PATCHOULI OIL—2 cs, Roure-Dupont, Inc, Penang
PEATMOSS—4,000 bls, Franex Overseas Trading Co, Bremen
500 bls, Frank Englehart, Bremen
600 bls, E J Lang, Bremen
4,975 bls, Premier Peatmoss Corp, Bremen
2,110 bls, New Amsterdam Import Co, Bremen
3,500 bls, Atkins & Durbrow, Bremen
3,650 bls, Bruco Peatmoss Corp, Bremen
350 blks, Bruco Peatmoss Corp, Bremen
3,555 bdls, J E Bernard, Bremen
PEPPER, BLACK—80 bgs, East India Trading Co, Cochin
240 bgs, Mincing Trading Corp, Cochin
80 bgs, Bank of America, Cochin
64 bgs, East India Trading Co, Alleppey
80 bgs, Bansidhar Gopaldas, Alleppey
80 bgs, M Rothschild & Co, Cochin
142 bgs, East India Trading Co, Tandjong Priok
80 bgs, Bank of N Y Fifth Ave, Cochin
80 bgs, Chase National Bank, Cochin
80 bgs, Volkart Bros, Cochin
160 bgs, A G Dunn, Mangalore
320 bgs, Alleppey
WHITE—107 bgs, Internatio Rotterdam, Tandjong Priok
PETROLEUM, CRUDE—240,000 bbls, Socony Vacuum Oil Co, Puerto La Cruz
101,435 bbls, California Refining Co, Las Piedras
112,663 bbls, California Refining Co, Sidon
123,000 bbls, Esso Standard Oil Co, Puerto La Cruz
88,474 bbls, Esso Standard Oil Co, Caripito
68,103 bbls, Gulf Oil Co, Curacao
PHTHALIC ANHYDRIDE—250 cks, Fallek Products Co, Naples
PIMENTO—80 bgs, John Holt & Co, Kingston
100 bgs, Otto Gerdau, Kingston
PIMENTO LEAF OIL—1 dm, H A Gogarty, Kingston
2 dms, Fritzsche Bros, Kingston
1 dm, S B Penick & Co, Kingston
POLLACK LIVER OIL—50 dms, Bank of N Y & Fifth Ave, Yokohama
20 dms, Bankers Trust Co, Yokohama
40 dms, National City Bank, Yokohama
45 dms, Consumers Import Co, Yokohama
50 dms, Albumina Supply Co, Yokohama
50 dms, C L Huisking & Co, Yokohama
130 dms, Arista Oil Products Co, Yokohama
50 dms, Wilbur Ellis Co, Yokohama
100 dms, Consumers Import Co, Yokohama
50 dms, Maxim Chemical Co, Yokohama
20 dms, Interocean Chemical & Minerals Corp, Yokohama
15 dms, Transocean Commerce Inc, Yokohama
POLYVINYL CHLORIDE—2 cs, American Luco Flex Inc, Havre
POPPY SEED—200 bgs, Kane Import Corp, Buenos Aires
POTASSIUM MURIATE—1,100 tons, Synthetic Nitrogen Products Corp, Bremen
500 tons, French Potash & Import Co, Antwerp
PYRIDIN—51 dms, American Tebu Corp, Rotterdam
5 dms, American Union Transport, Antwerp

QUEBRACHO EXTRACT—2,006 bgs, River Plate Import & Export Corp, Buenos Aires
QUICKSILVER—155 flks, Derby & Co, Leixoes
RADIUM ELEMENT—2 cs, Radium Chemical Co, Antwerp
RESIN—11 dms, Caldwell & Co, Antwerp
SABADILLA SEED—700 bgs, Wessel Duval & Co, LaGuaira
SAGE LEAVES—1,200 bls, Joensson & Cross, Rijeka
240 bls, Superintendence Co, Rijeka
60 bgs, A T Sherman, Rijeka
SANDARAC GUM—100 bgs, Liverpool
SARSAPARILLA ROOT—29 bls, Tampico
SEEDLAC—411 bgs, East Asiatic Co, Bangkok
200 bgs, Unity Import Export Co, Bangkok
400 bgs, First National Boston, Bangkok
146 bgs, Capital Shellac Corp, Kosichang
300 bgs, Gillespie-Rogers-Pyatt, Kosichang
SENNA LEAVES—225 bls, Prentiss Drug & Chemical Co, Tuticorin
SESAME SEED—38 bgs, C Gulden, Palermo
SHARKLIVER OIL—50 dms, International Fisheries Corp, Yokohama
100 dms, National City Bank, Yokohama
250 dms, H A Gogarty, Yokohama
50 dms,, Arista Oil Products Co, Yokohama
60 dms, Transocean Commerce Inc, Yokohama
25 dms, Nopco Chemical Co, Yokohama
50 dms, Maxim Chemical Co, Yokohama
25 dms, Consumers Import Co, Yokohama
2 dms, Bankers Trust Co, Yokohama
SHELLAC—1,700 bgs, Mantrose Corp, Calcutta
50 bgs, Mac-Lac Co, Calcutta
200 bgs, Bradshaw-Pragger & Co, Calcutta
100 bgs, Colonial Commerce Co, Hamburg
TALC—220 cs, M Kirchberger & Co, Genoa
TAMARIND—44 cks, S B Penick & Co, Kingston
TANKAGE—525 bgs, Tupman Thurlow, Buenos Aires
TANNIC ACID—20 dms, G J Danco Corp, Antwerp
TAPIOCA FLOUR—1,000 bgs, Geismar & Co, Itajai
2,333 bgs, Morningstar, Nicol Co, Itajai
2,207 bgs, Bank of N Y & Fifth Ave, Itajai
417 bgs, H Dolan, Itajai
TARTARIC ACID—299 bgs, Tartaric Raw Materials, Rotterdam
THIOUREA DIOXIDE—1 dm, Liverpool
TOLU BALSAM—30 cs, Wessel Duval & Co, Barranquilla
TONKA BEANS—379 dms, Guaranty Trust Co, Puerto Cabello
TUNG OIL—123 dms, W R Grace & Co, Buenos Aires
390 tons, Buenos Aires
ULTRAMARINE BLUE—50 bbls, Fezandie & Sperrie, Rotterdam
VANADIUM CONCENTRATES—1,000 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—121 cs, Chase National Bank, Antalaha
91 cs, Guaranty Trust Co, Antalaha
233 cs, J Manheimer, Tamatave
14 cs, Pilot International Corp, Majunga
70 cs, New York Trust Co, Antalaha
22 cs, Girard Trust Co, Antalaha

TECHNICAL HELP
IN FORMULATING PAINTS
to the Performance Required . . .
Always Alkydol!
ALKYDOL LABORATORIES, INC.
3240 South 50th Ave. • Cicero 50, Illinois

CLEANING MILLING
GUMS DRUGS
FOOD PRODUCTS
To
Your Specifications
Crude—OFFER—Milled
Arabic, Karaya, Tragacanth
Telephone MArket 3-2491
J. B. GRUMAN CO., INC.
St. Francis, Komorn and Main Sts.
Est. 1854 Newark 5, N. J.

VANILLA BEANS—16 cs, George Luecders & Co, Tandjong Priok
19 cs, Zink & Trieste, Tandjong Priok
10 cs, Thurston & Braidich, Tandjong Priok
20 cs, L A Champon & Co, Tandjong Priok
811 cs, Antalaha
VARNISH—3 cs, Blue Fries N Y, Inc, Rotterdam
VEGETABLE OIL—202 dms, H J Baker & Bros, Buenos Aires
WAX—82 bgs, Hans Tobeason, Rio de Janeiro
12 bgs, Nederlandsche Handel, Rio de Janeiro
WATTLE EXTRACT—6,320 bgs, River Plate Import & Export Corp, Durban
4,148 bgs, Olson Sales Agency, Durban
WHITING—1,600 bgs, Plues Staufer, Antwerp
WOLFRAM ORE—30 bgs, Wah Chang Corp, Hong Kong
60 bgs, Holland American Metal Corp, Hong Kong
312 bgs, Philipp Bros, Rotterdam
182 bgs, Huxley Development Corp, Leixoes
WOOL GREASE—52 dms, Gallard Schlesinger, Antwerp
54 cks, Gallard Schlesinger, Antwerp
18 dms, Eelsingh & Lugtigheid, Rotterdam
3 dms, Rotterdam

Baltimore

ARSENIC—52 bbls, Tampico
COTTON LINTERS—980 bls, Merchants National Bank of Mobile, Santos
40 bls, Williamson Northup Co, Santos
483 bls, Kauders Steuber Co, Rio de Janeiro
BONE—1,917 bgs, Beyrouth
DICYANDIAMIDE—50 cks, Henley & Co, Bremen
IRON OXIDE, RED—220 bbls, Malaga
MANGANESE ORE—1,000 tons, Ferro Metal & Chemical Corp, Bombay
2,500 tons, Philipp Bros, Bombay
500 tons, Associated Metals & Minerals Corp, Bombay
6,000 tons, U S Steel Co, Vizagapatam
MEATMEAL—6,600 bgs, Wessel Duval & Co, Rotterdam
OSSEIN—696 bgs, American Agricultural Chemical Co, Antwerp
PEATMOSS—4,200 bls, Bruco Peatmoss Corp, Bremen
1,700 bls, S Shapiro, Bremen
500 bls, E Dunwoody, Bremen
900 bls, Atkins & Durbrow, Bremen
1,700 bls, E J Lang, Bremen
QUEBRACHO EXTRACT—7,385 bgs, International Products Corp, Buenos Aires
WOOL GREASE—1 dm, Rotterdam

Boston

ASBESTOS FIBER—2,800 bgs, Johns Manville Corp, Lourenco Marques
CASEIN—500 bgs, Guaranty Trust Co, Rotterdam
200 bgs, Tupman Thurlow, Buenos Aires
GLUE, BONE—250 bgs, National Shawmut Bank, Antwerp
GLUTENMEAL—8,064 bgs, C M Cox Co, Buenos Aires
HORNMEAL—3,200 bgs, Wessel Duval & Co, Santos
MILK POWDER—400 bgs, National City Bank, Rotterdam
PEATMOSS—1,000 bls, Premier Peatmoss Corp, Bremen
400 bls, Bruco Peatmoss Corp, Bremen
1,475 bls, New Amsterdam Import Co, Bremen
POTASSIUM NITRATE — 2,722 bgs, Berkshire Chemicals, Bremen
PERCHLORATE—500 dms, Ch Hardy, Antwerp
QUEBRACHO EXTRACT—5,720 bgs, American Tanners Ltd, Buenos Aires
VERMICULITE ORE—278 tons, Munn & Steele, Lourenco Marques

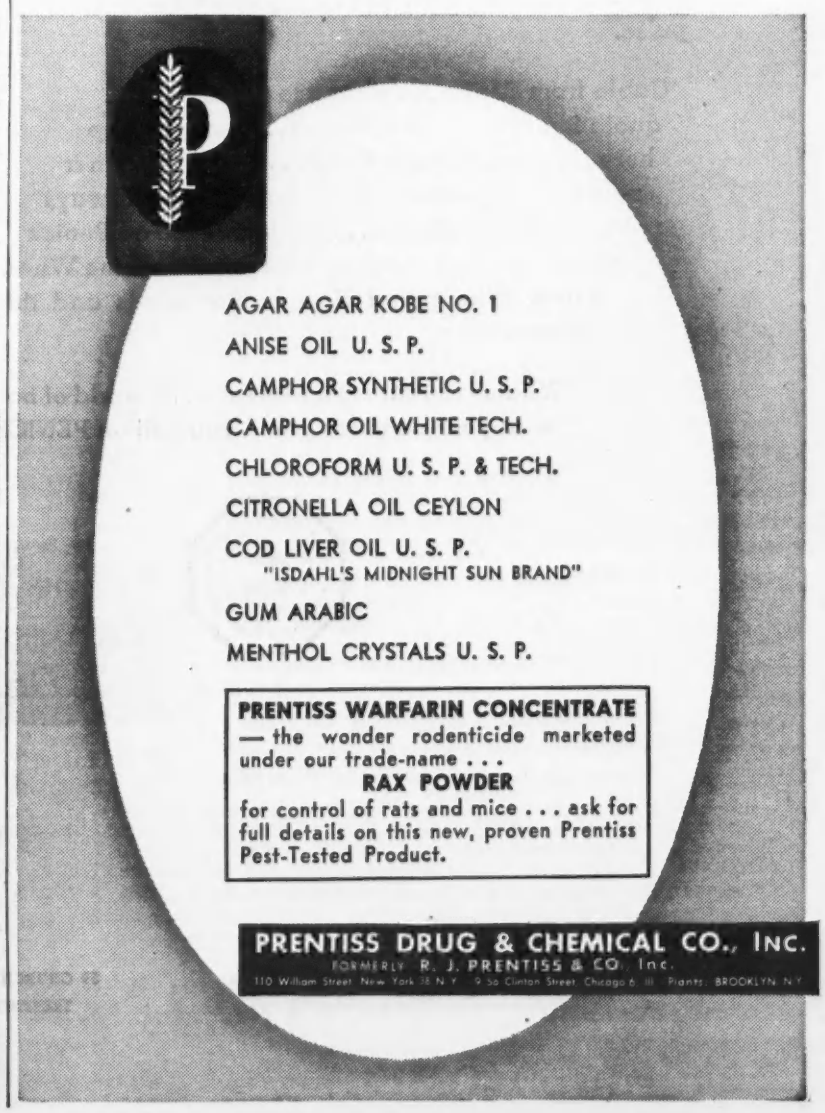
Los Angeles

AGAR AGAR—6 bls, Security First National Bank of Los Angeles, Yokohama
AMMONIUM CHLORIDE—500 bgs, C M C Chemicals Ltd, Liverpool
CHILLIES, HONTAKAS—115 bgs, Hismoco, Kobe
CHRYSALIS MEAL—800 bgs, H V Nootbaar & Co, Yokohama
COPRA, BULK—2,000 long tons, Vegetable Oil Products Co Inc, Tabaco
500 long tons, Vegetable oil Products Co Inc, Siain
500 long tons, Spencer Kellogg & Sons Inc, Cebu
1,000 long tons, Vegetable Oil Products Co, Inc, Legaspi
CAKE—2,240 bgs, San Pablo Oil Factory Inc, Manila
100 long tons, Bank of California National Association, Cebu
MEAL—2,240 bgs, Balfour Guthrie & Co Ltd, Cebu
240 bgs, to order, La Libertad
FISHLIVER OIL—50 dms, Universal Foreign Service Co, Yokohama
FISH MEAL—1,103 bgs, Wessel Duval & Co Inc, Callao
600 bgs, W R Grace & Co, Callao
240 bgs, Girard Trust Bank, Callao
891 bgs, Girard Trust Bank, Chimpote
1,097 bgs, W R Grace & Co, Chimpote
4,817 bgs, Wessel Duval & Co Inc, Chimpote
IRON OXIDE—434 bgs, C B Chrystal Co, Malaga
722 bgs, L H Butcher, Malaga
95 bls, to order, Malaga

—*Continued on page 74*

If you need a *Rare** organic in larger-than-laboratory amounts, write to
*Glycerol α,γ-Dichlorohydrin, for example
DPi
Eastman Organic Chemicals Department, *Distillation Products Industries,* 729 Ridge Road West, Rochester 3, N.Y. (Division of Eastman Kodak Company). There are more than 3500 regularly supplied Eastman Organic Chemicals for science and industry.
Also . . . vitamins A and E . . . distilled monoglycerides . . . high vacuum equipment

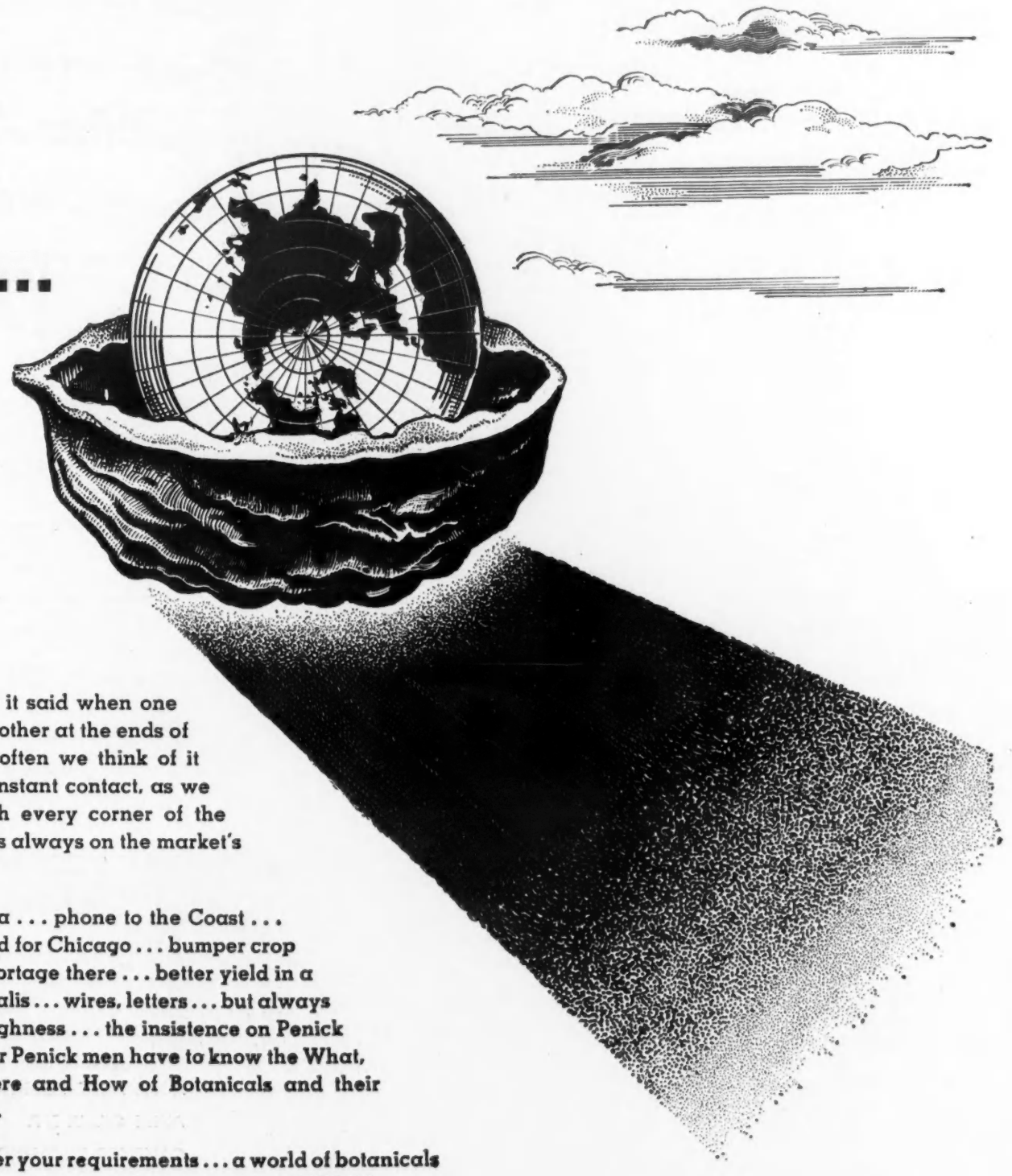
A DEPENDABLE SOURCE OF SUPPLY
RICHMOND CHEMICAL CORP.
1741 Richmond Terrace, Staten Island 10, N. Y.
PROCAINE BORATE
WRITE FOR QUOTATIONS
Tel. Gibraltar 2-4291 Cable: Aurelinkem, N. Y.


P
AGAR AGAR KOBE NO. 1
ANISE OIL U. S. P.
CAMPHOR SYNTHETIC U. S. P.
CAMPHOR OIL WHITE TECH.
CHLOROFORM U. S. P. & TECH.
CITRONELLA OIL CEYLON
COD LIVER OIL U. S. P.
"ISDAHL'S MIDNIGHT SUN BRAND"
GUM ARABIC
MENTHOL CRYSTALS U. S. P.
PRENTISS WARFARIN CONCENTRATE
— the wonder rodenticide marketed under our trade-name . . .
RAX POWDER
for control of rats and mice . . . ask for full details on this new, proven Prentiss Pest-Tested Product.
PRENTISS DRUG & CHEMICAL CO., INC.
FORMERLY R. J. PRENTISS & CO., Inc.
110 William Street, New York 38, N. Y. 9 So. Clinton Street, Chicago 6, Ill. Plants: BROOKLYN, N.Y.

PRIME MANUFACTURERS . . .
Hexamethonium Bromide
A new drug under investigation for the treatment of hypertension. Complete products list on request.
HEXAGON QUALITY
HEXAGON LABORATORIES
INCORPORATED
Manufacturing Chemists • 3536 PEARTREE AVE., BRONX 66, N. Y.

REAGENT CHEMICALS
Inorganic and Organic Chemicals
Biological Stains : Solutions
Chemical Indicators : Test Papers
Write for copy of our catalog
The COLEMAN & BELL CO., Inc.
Manufacturing Chemists NORWOOD OHIO U.S.A.
C&B
COLEMAN & BELL

IT'S A SMALL WORLD...



How often you hear it said when one old friend runs into another at the ends of the earth! And how often we think of it here at Penick, in constant contact, as we are every day, with every corner of the globe . . . our fingers always on the market's pulse.

Cable from Africa . . . phone to the Coast . . . quotation needed for Chicago . . . bumper crop here . . . crop shortage there . . . better yield in a new lot of digitalis . . . wires, letters . . . but always Penick thoroughness . . . the insistence on Penick standards, for Penick men have to know the What, When, Where and How of Botanicals and their extractives.

Whatever your requirements . . . a world of botanicals is at your doorstep when you call on PENICK.

The World's Largest Botanical Drug House

S. B. PENICK AND COMPANY

50 CHURCH STREET, NEW YORK 7, N. Y.
TELEPHONE CORTLANDT 7-1070

736 WEST DIVISION STREET, CHICAGO 10, ILL.
TELEPHONE MONAWK 4-5851

Botanical Drugs, Spices, Gums

A feature in the botanical market last week was the lowering of replacement costs on Indonesian materials. This was the result of the change in the Indonesian foreign exchange policy, a change effected by the recent devaluation of the Rupiah in terms of United States dollars. Other features included the weakening of all ginger prices under pressure created by new crop offerings of Jamaica and Cochin root. Serious and growing shortages in China cassia were the result of curtailed imports. Cloves were strong and obtainable mainly in the afloat position. Cumin seed recovered some of the price-loss occasioned by a local stock liquidation. The market index remained at 219.8.

The devaluation of the Indonesian Rupiah was severe. Prior to the change, the monetary unit had been quoted at the United States dollar equivalent of 26c. After devaluation, it was rated at 8.6c. in dollars. Though goods bought with the cheaper Rupiah were some weeks away from this market, the effect was to weaken most spot quotations on Indonesian goods.

Scarcity of China cassia made for increased interest in the well stocked Batavia spice and sellers expressed surprise that buyers were not more active in stocking well ahead of current requirements. A part of current scarcity of Canton rolls was attributed to disappearance of spot stocks into export channels.

Strictly drug botanicals moved in rather quiet fashion but, for the most part, at firm and well maintained spot quotations. Domestic drugs that are produced in the Spring, and which usually decline in price at this time of year, remained in highly stable price position and it was said last week that there would probably be fewer pre-crop price declines this year.

Balsams

Fir—Firm prices and moderate demand combined to hold market undertones to the side of strength throughout the past week so far as Canadian balsam was concerned. Stocks on spot were small. Replenishment from new crop was some weeks away.

Tolu—Competition narrowed the spread in spot quotations and at the end of last week quotations were $5.35 to $5.75 per pound. The lower figure of the range appeared to be developing a firmer position since it was well in line with replacement costs.

Barks

Cocillana—Demand was almost totally absent. The season of largest consumption was at an end to the extent that the present stocks of manufactured products using this bark as an ingredient appeared to be sufficient to cope with such demand as may exist between now and the Spring solstice.

Orange Peel—Demand was strictly jobbing in size and the total movement was about sufficient to hold quotations to a steady basis that was in agreement with what it costs in primary markets to obtain replacement stocks.

Flowers

Linden — Spot and replacement prices were both well maintained and firm, according to local opinion. Stocks were moderate but, demand considered, they seemed adequate last week. Demand came irregularly and usually for jobbing quantities.

Malva—Sales have been slow for some time past without bringing weakness to local quotations. Stocks were moderate and had a first cost that warranted steady maintenance of spot prices.

Beans

Vanilla—New crop Mexican beans influenced spot prices on the material last week, bringing spot quotations down to $4.75 to $5.50 per pound for whole and $3.75 to $4 for cuts. The size of the new crop was estimated at 150,000 to 200,000 pounds of beans, comparing with the previous crop of 250,000 pounds. Prime quality Bourbon beans were said to have been offered as low as $2.90 per pound under competitive circumstances but the range, according to seller and quality, was to $3.25. The new crop of Bourbons was estimated at 150 tons, in comparison with the previous crop of 250 tons. This was considered to be evidence of the basically firm conditions at the origin, conditions which, given good demand, could well advance the export prices of primary market shippers.

Gums

Arabic—Local conversations often included the idea that the source market had weakened in price and that spot values were subject to shading. However, most of the long established importers said that goods of guaranteed quality were fetching 16½c. to 18½c. per pound—and some sellers would not meet the lower figure of the range.

Benzoin—Revaluation of Indonesian currency, setting a lower level of value in terms of the United States dollar, was expected by some eventually to reduce import costs on Sumatra benzoin. Hence, the spot market was slightly less steady last week.

Karaya—Local quotations were steady. Competition was less active and so was the disposition to shade spot prices during the past week. Demand still remained moderate but it was said to be an improvement over that in the recent past.

Herbs and Leaves

Belladonna—Prices failed to decline further but did remain very steady at 40c. to 45c. per pound depending on seller and material. Demand was routine in character and failed to include many large orders.

Buchu—Competition was fairly aggressive for the limited amount of business current during the past week. However, open quotations remained unchanged at 35c. to 40c. per pound.

Henbane—A fair amount of buying for stock purposes was reported at times last week but purchases were conservative in size and the total was not large. The business was done at very steady prices.

Lobelia—The carryover will not be excessive in size and collection of ample supplies would seem to be a necessity in the primary market this Summer. At the moment, the spot market is dull, strictly jobbing in character, but steady in the matter of quotations.

Passion Flower—In view of the large collection last year, it will be interesting to learn of the prices to be posted early in the season when primary market collectors again make known their requirements to the gatherers.

Sage—Italian salvia officinalis was reduced in price to the basis of 29c. to 30c.

Market Trends

Prices Advanced

Drugs

None

Other Articles

Anise, star, afloat, 7c. per lb.
Cassia, Batavia, longstick, ½c. per lb.
China, broken, 1c. per lb.
Saigon, broken, 1c. per lb.
medium, 1c. per lb.
Clove, Zanzibar, afloat, 2c. per lb.
Cumin seed, Indian, ½c. per lb.
Iranian, ½c. per lb.
Poppy seed, Argentine, ¼c. per lb.

Prices Reduced

Drugs

Fenugreek seed, Moroccan, ¼c. per lb.
Tunisan, 1c. per lb.
Ginger root, African, 2c. per lb.
Cochin, 1c. per lb.
Jamaica, No. 3, 2c. pe rlb.
Rhatton, 8c. per lb.
Nigerian, split, 3c. per lb.

Other Articles

Coriander seed, Moroccan, ½c. per lb.
Cumin seed, Moroccan, 2c. per lb.
Mace, West Indian, 3c. per lb.
Nutmegs, East Indian, 4c. per lb.
splits, 3c. per lb.
West Indian, 1c. per lb.
Paprika, Spanish, new crop, 2c. per lb.
Pepper, black, spot, 6c. per lb.
Poppy seed, Czech, ½c. per lb.
Dutch, ½c. per lb.
Turkish, ¼c. per lb.
Sage, Italian, officinalis, 1c. per lb.
Turmeric root, Alleppey, 2½c. per lb.
Vanilla beans, Mex., whole, 50c. per lb.
cuts, 75c. per lb.
Bourbon, 10c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Mar. 2, 1951
219.8	219.8	219.8	181.9	233.8

(*For Current Prices see Page* 9)

Imports Detained by FDA

Week Ended Feb. 21

New York

Cassia, 5 lots, 447 bales: insect filth.
Laurel leaves, 60 bales: filthy.
Locust beans, crushed, 215 bags: filthy.
Nutmegs, 250 bags: moldy and wormy.
Origanum leaves, 105 bags: filthy.
Pimento, 160 bags: live and dead insects.

For Late Market Developments, See Page 4

"Rutin Hopkins"

Quercitin: 1% or less
Chlorophyll: None
Red Pigment: None
Purity: 99% or better

Compare a sample of Rutin Hopkins with the material you are now using!

The Earth Contributes ... J.L. HOPKINS & CO. DISTRIBUTE ALL KINDS OF ROOTS, BARKS, HERBS, BERRIES, FLOWERS & SEEDS WHICH ARE USED FOR MEDICINAL PURPOSES—WHOLE, GROUND OR POWDERED

J.L. HOPKINS & CO.
477 Keap Street, Brooklyn, N. Y.
BOTANICAL DRUGS
EXTRACTS
MEDICINAL CHEMICALS

hydrophilic
ALGIN
products

Water soluble colloids for Thickening, Suspending, Stabilizing, Emulsifying, Gel Producing and Film Forming

KELCOLOID KELGIN KELCO-GEL KELCO KELACID KELCOSOL KELMAR

Listed here are some of the Kelco algin products and their uses in food and pharmaceutical applications.

KELCOLOID ... For salad dressings, flavor syrups, sulfa suspensions
KELGIN ... For toothpaste, lotions and lubricating jelly
KELACID ... As a tablet dispersant
KELMAR ... For dental impression compounds
KELCOSOL ... For shampoos, tablet binding, bakery jellies
KELCO-GEL ... For icing base, food and dessert gels

Kelco algin products—extracted from giant marine kelp—are constantly being adapted to new uses in varied food, pharmaceutical and industrial applications. Their outstanding acceptance is based on their unique and effective hydrophilic colloidal properties ... plus their economy, uniformity, versatility and ready availability from domestic sources. For additional information, write or call our nearest divisional office.

KELCO COMPANY

20 N. Wacker Drive, Chicago 6 — 31 Nassau Street, New York 5 — 530 West Sixth St., Los Angeles 14
Cable Address: Kelcoalgin — New York

FOUNDED T & B 1856

For over 90 years the recognized source of supply

GUMS

Arabic Karaya
Tragacanth

WHOLE GUM—Cleaned and repacked before shipment

POWDERED GRADES—Standardized by milling under strict laboratory control

GRAIN GUMS—Graded to uniformity and standardized

T & B STANDARDIZED GUMS are your best protection against production difficulties.

THURSTON & BRAIDICH

286 Spring Street New York 13, N. Y.

Canadian Representative

P. N. SODEN & CO., LTD.

730 Wellington St. Montreal 3, Canada

1498 Yonge St. Toronto, Ont.

Have you noticed the consistently high quality of your shipments from "A-W, Chehalis"?

Solid Extract
FENUGREEK

Solid Extract
LOVAGE

Solid Extract
COFFEE

ALLAIRE-WOODWARD, INC.

Division of J. P. Callison & Sons

Executive Offices and Plant A-W PHARMACEUTICALS SINCE 1873 CHEHALIS WASHINGTON

EXTRACTS SYRUPS COMPOUNDS TINCTURES RESINS

per pound last week. Quotations on other varieties of sage were without change.

Miscellaneous

Corn Silk—Considering the amount of activity in this item in recent weeks, prices seemed remarkably steady. Stocks were fair in size. Foreign shippers have not included the item in many of their lists of merchandise available for export.

Grains of Paradise—Any reasonable bid below the open quotation of 30c. to 32c. per pound stood an excellent chance of prompt acceptance. This was caused by the almost total lack of interest on the part of those who, in the not too distant past, had been heavy buyers of guinea pepper to mix with black pepper as an extender.

Roots

Blood—Some primary market collectors carry better than fair sized stocks into the new collection season. Some local sellers indicated last week that sales in this market had been a disappointment during the past six months.

Colombo—Stocks were reported sufficient in size to protect consumer needs for a fair distance ahead. Furthermore, nothing at this time suggests interference with steady replacement operations with the primary market. Prices were steady at 11c. to 14c. per pound, depending on seller and quantity.

Ipecac—All advices from the primary market suggested a strength of price not likely to change to an easier position in the foreseeable future. Locally, very steady prices were reported and sellers were not disposed to compete for business if to do so meant a shading of open quotations.

Mandrake—New production will get underway in the not too distant future and substantial activity in the primary market was suggested by the fact that the unsold balance of 1951 collection was believed to be quite small.

Senega—Although Spring was not far away and collection will soon begin to affect primary market prices, the market last week underwent no change and it was not clear that the usual decline in prices at the origin during the Spring months would go very far this year. The carryover will be small.

Serpentaria—Whoever needs this item is apt to pay high prices during the next consuming season. Practically no root was in store at the origin and despite high prices offered workers, the tendency of gatherers was to neglect the item. As high as $5 per pound was paid by consumers of the last crop.

Turmeric — Alleppey root on spot dropped to 15½c. to 16c. per pound as a reflection of the present price of 15c. named on root for February-April shipment from the source. Other varieties of turmeric lacked change.

Seeds

Anise—The market feature last week was the sharp rise on quotations named on goods afloat to this port. Such merchandise rose to 65c. to 66c. per pound. Interest was so large that it seemed not unlikely that only small quantities will be milled despite the fact that a good interest in powdered merchandise was known to exist.

Cumin—The market continued to gain price strength in sympathy with the lessening of stock liquidation by one former merchant who moves to the Pacific Coast soon. Iranian and Indian seed were advanced to 18c. to 18½c. per pound and Moroccan material was again offered firm at 19c. to 19½c. after a period in which quotations had been nominal.

Fenugreek—Prices eased back fractionally. Moroccan seed became 5½c. to 5¾c. per pound and Tunisian dropped to 5½c. to 6c. No offerings from California where the seed is planted between rows of orange trees have been noted here for a considerable length of tim.

Poppy—Argentine seed was reduced to 14¼c. to 14½c. per pound; Czech, 14½c. to 15c.; Dutch, 15½c. to 16c.; Polish unchanged at 15½c. to 16c. but soft; and Turkish, down to 14¼c. to 14½c.

Spices

Cassia—Longstick Batavia was higher at 18c. to 18½c. per pound. Extra select but broken China cassia was up to 17c. to 17½c. and whole goods remained firm at 19c. to 19½c. Medium Saigon was higher at 30c. to 31c. per pound and the broken item became more expensive at 26c. to 27c.

Clove—Strong, active, hard to find, and apparently due for further price advances. Zanzibar spice afloat was raised to 89c. to 90c. per pound and Madagascars afloat, though quoted at 82c. to 83c., were hard to obtain.

Ginger—Pressure of new crop offerings of Jamaica and Cochin ginger forced downward revisions in the whole list. Prices late last week were as follows:—African, 23c. to 24c. for spots and February-April steamer offerings were 21c. to 22c. Unbleached Cochin, spot, 30c. to 31c. and February-April steamer, 22c. to 23c. Jamaica, No. 3, spot, 50c. to 51c. but the real price will be set only by actual grading. February steamer, 36c. to 37c. Nigerian splits, spot, 22c. to 23c. and February-March shipment, 20c. to 21c.

Mace—West Indian material was down to $1 to $1.02 for whole goods. Offerings from the East Indies were lower in price because of the change in exchange policy in Indonesia.

Nutmegs—The change in Indonesian exchange policy has reduced replacement costs at the origin. On spot, East Indian spice became 41c. to 42c. per pound and splits were down to 41c. to 42c. also. West India spice was sympathetically lower at 37c. to 38c.

Pepper—The strong market of the previous week carried over into week under review. Spot black pepper brought $1.65 per pound most of the time. As to futures, the following quotations were noted:—February shipment, $1.39 to $1.40; March, $1.35; April, $1.32; and May, $1.30. The pinch for spot goods was caused by the fact that most all of recent arrivals have moved into consumption channels. Though buying of February shipment was rather heavy in India, the rise in price in that market was relatively small and was followed by som recessions at midweek. Buyers were cautious and not inclined to trade very far ahead.

Friday quotations on black pepper were as follows:—Spot, $1.59 to $1.60 per pound; February shipment, $1.31 to $1.33; March shipment, $1.25 to $1.27; April shipment, $1.23 to $1.24; and May shipment, $1.22 to $1.23.

Inquiries in

MEDICINAL HERBS and ROOTS

of Pakistan Origin

are invited from

Wholesale Dealers and Manufacturers of Pharmaceuticals

please contact

Produce Import & Export Company

12 Cotton Exchange, McLeod Road

Karachi, (Pakistan)

Cables: JAMALIAN-KARACHI

PYRIDINE (Denaturing Grade)

SHAMROCK CHEMICALS CORPORATION

26 SIXTH STREET, STAMFORD, CONN.

GUMS *ARABIC—TRAGACANTH—KARAYA* (Whole, granular or powdered)

VISCO GUM E (Specially prepared for wave-set solutions)

HYDROSULFITE of SODA (Pharmaceutical grade)

GELLOID (Pure calcium Carragheen sulfate)

SULPHONATED OILS (Vegetable and mineral bases)

Ask for
"THE STORY OF WATER SOLUBLE GUMS"

Manufacturing Chemists and Importers

PASSAIC, N. J.

JACQUES WOLF & CO. Chemicals PASSAIC, N. J.

Essential Oils, Other Aromatics

According to observers in the trade, there was no definite trend of business in the essential oils and aromatic chemicals market. Whereas one day might bring a great number of orders from consumers, the next would find the market quiet again. This erratic condition has existed since the beginning of the year and indicated that business was still on a hand-to-mouth basis, users buying only that which they needed immediately. Stocks of most oils were comfortable and replacements of most important materials were readily available. Prices were generally favorable to consumers. Price changes were made by individual dealers, for the most part. Slight advances were made in the minimum quotations of bois de rose, apricot kernel, lavandin, clary sage and Bourbon vetiver oils. The producers of diphenyl oxide advanced that material, as well. A single supplier was able to offer some natural bergamot oil at a lower price and the same was true of the scarce cananga oil. True Java citronella oil was reduced by one dealer and more favorable prices were quoted in some quarters for dillseed, Bourbon geranium, juniper tar, pennyroyal and Haitian vetiver oils. The price index, reflecting these reductions, moved down 3.6 points to 184.5.

The floral oils were generally in good supply and prices were quite favorable to the consumer. The French lavender, and lavandin oils were quite comfortably situated. Bourbon oils were also in good supply. This was particularly true of geranium oil, which might be considered as being weak at this time. Although there have been some attempts to strengthen the very weak citronella oil market, they have not been too successful. These oils continued to be available at very low prices and supplies were quite ample. Indian dillseed oil was sharply reduced in order to meet the competition of the easy dillweed oil. These oils should see an increased interest in the near future.

Market Trends

Prices Advanced

Apricot kernel oil, 8c. per lb.
Bois de rose oil, 10c. per lb.
Diphenyl oxide, 3c. per lb.
Lavandin oil, 35c. per lb.
Sage oil, clary, $2 per lb.
Vetiver oil, Bourbon, $1 per lb.

Prices Reduced

Bergamot oil, Italian, 50c. per lb.
Cananga oil, native, 65c. per lb.
rectified, $1.10 per lb.
Citronella oil, Java, 20c. per lb.
Dillseed oil, $2.80 per lb.
Geranium oil, Bourbon, 65c. per lb.
Juniper tar, 3c. per lb.
Pennyroyal oil, 5c. per lb.
Vetiver oil, Haitian, $1.50 per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Mar. 2, 1951
184.5	188.1	186.9	132.7	227.4

(For Current Prices see Page 9)

Essential Oils

Angelica—One supplier made a further reduction in the price of both root and seed oil last week. This narrowed the range of quotations. Root oil could be had at $120 to $125 per pound and seed oil at $100 to $110 a pound. There were sufficient stocks to cover the limited needs of consumers.

Anise—Again there have been some offerings of this oil at $1.60 per pound, a slight drop from the minimum quotation of the previous week. Spot supplies continued to hold up very well because of the lack of buying interest shown by customary users.

Apricot Kernel—The lowest quotation made last week was somewhat higher than previously at 48c. per pound. Other prices ranged to 65c. a pound. There were good stocks of the oil and replacements could be had when needed.

Bergamot—One local dealer offered the scarce Italian oil at $15 per pound last week. This was 50c. lower than the previous minimum quotation. The few other suppliers who held any stocks quoted it up to $16.50 a pound. The natural oil was in a very difficult position with no new material available from the source as yet. Artificial oil, on the other hand, was well-situated and was priced at a level which was quite favorable to the consumer, ranging from $2.90 to $6 per pound.

Bois de Rose—The lowest quotation reported on the spot market last week stood at $4.10 a pound, a slight increase over the previous minimum. The material was quoted up to $4.75 a pound. The market was quiet and easy. Spot stocks were plentiful and all inquiries were met without difficulty. Replacements were available when needed, although replacement costs were restricted by the price floor in effect in Brazil.

Cananga—Although the material was very scarce with replacements hard to come by, one supplier could offer some oil at a lower price. Thus, the native oil moved down 65c. per pound to $10.10 to $11 a pound and rectified oil was priced from $11.90 to $13 a pound.

Cassia—This continued to be a quiet market. Prices remained unchanged and stocks held up by virtue of the fact that small buying interest was shown, although replacements were almost entirely unobtainable.

Cedarleaf—In some places there was additional price strength shown in this item, reflecting the firm views of distillers. However, supplies of some dealers were good and the range of quotations remained steady at $2.25 to $3.50 per pound.

Citronella—It has been said that the primary markets for the Java-type oil were gaining strength, and some suppliers have raised prices to 85c. a pound on spot, but the minimum quotation remained at 70c. a pound. Although the true Java oil was generally scarce, one supplier was willing to offer some at the reduced price of $1.10 per pound. Others held the material higher to $1.90 a pound. Ceylon oil continued to display a great deal of weakness at prices of 75c. to $1.75 per pound. Very small interest was shown by consumers.

Coriander—There was some softness indicated in this market. Some dealers have reduced their prices in order to stimulate sales. However, the range of prices continued to stand at $24 to $28.50 per pound. Replacements were not easily obtainable but spot stocks were good.

Dillseed—A sharp reduction occurred in the price of this oil. It moved down some $2.80 per pound to a new low of $3.55 per pound. This move was seen to be the result of the low prices of the competitive dillweed oil. Very small interest was shown in the oil, although a pick-up was expected within the next few months. Many suppliers have discontinued to item because of the abundance of the domestic oil at very favorable prices.

Fennel—Some strength was indicated at the origin and the spot market price range expanded upward. The minimum remained unchanged, making for a market of $2.25 to $3 per pound. Spot stocks were adequate to meet the current light demand.

Geranium—A further reduction of 65c. per pound was made by one supplier which made for a new low price of $12.35 a pound. Most quotations made during the past week stood at about $13 a pound. There were large quantities of oil readily available both on spot and at the source. Consumer interest was not too great, despite the prices which were lower than they have been for the past two years. Algerian oil continued to be a bit firmer, although it, too, has come down in recent weeks. It was priced from $15 to $26 a pound.

Juniper Tar—Material was offered on the spot market at 42c. per pound, a decline of 3c. from the previous minimum quotation. Other quotations ranged to 50c. a pound. A small item, the oil seemed to move slowly and stocks were adequate to cover the requirements of consumers.

Lavandin—The bargain prices of the past few weeks having been withdrawn, the minimum quotation last week stood at $3.50 per pound. This did not indicate a strengthening of the market, however. The material was readily available both on spot and in France and an easy supply situation was expected to continue throughout the spring.

Lemon—No change has occurred in the extremely tight situation of the domestic oil. Prices continued to stand very firmly at $5.50 to $6 per pound, according to producer. Supplies were very limited and it was feared that there would be quite a pinch felt when the heavy consumers begin to buy for the summer season. Italian oil was rather dormant with small offerings coming to this market and prices quite high.

Orange—The market remained quite steady throughout the past week. Prices appeared to have stabilized at the recently advanced levels. Californian oil was quoted between $1.75 and $2.75 per pound, depending upon brand. Floridian oil could be had from $1.75 to $2.25 a pound.

For Late Market Developments, See Page 4

Magnus, Mabee & Reynard, inc.
Manufacturers, Importers, Exporters
ESSENTIAL OILS
AROMATIC CHEMICALS ▲ REFINED BALSAMS
CONCENTRATED FLAVOR MATERIALS
FILTER PAPERS ▲ OLEORESINS
BASIC PERFUME MATERIALS
Established 1895
16 DESBROSSES STREET NEW YORK 13, N. Y.
221 NORTH LA SALLE STREET CHICAGO 1, ILLINOIS
Representatives in Principal Cities of the United States

OIL of PEPPERMINT SPEARMINT
Of the Choicest Quality
A. M. TODD COMPANY
KALAMAZOO, MICHIGAN

Florasynth LABORATORIES, INC.
1533 OLMSTEAD AVE • N. Y. 61, N. Y.
SUPREME AROMATICS
ESSENTIALS . FLAVORING
PERFUME . OILS
Chicago 6, Los Angeles 13 and other principal cities in the U. S., Canada and Mexico

Proven Replacements For: BERGAMOT OIL CITRONELLA OIL LAVENDER OIL LEMONGRASS OIL
ESSENTIAL OILS - PERFUME OILS - FLAVORS - AROMATIC CHEMICALS and ODOR MASKS
DOMESTIC EXPORT YOUR INQUIRIES SOLICITED
D. W. HUTCHINSON & CO., INC., 162-164 Front St., New York 38, N. Y.
Founded 1896 Telephone: WHitehall 3-4774

INDUSTRIAL ODORANTS . . . . .
In more and more industries, the so-called technical perfumes are being used effectively to mask the unpleasant odors of basic materials or to lend appropriate scent to the finished goods. Our laboratories have developed a number of odorizing specialties for various industrial applications . . . . rubber, latex, oils, fats, waxes, petroleum derivatives, leather, textiles, formaldehyde, paint, plastics and many others. Perhaps our experts can help you solve your industrial odor problem.
WHAT'S YOUR PROBLEM? . . . WRITE US THE DETAILS.
FRITZSCHE Established 1871 Brothers, Inc.
PORT AUTHORITY BUILDING, 76 NINTH AVENUE, NEW YORK 11, N. Y.
BRANCH OFFICES and *STOCKS: Atlanta, Georgia, Boston, Massachusetts, *Chicago, Illinois, Cincinnati, Ohio, Cleveland, Ohio, *Los Angeles, California, Philadelphia, Pennsylvania, San Francisco, California, *St. Louis, Missouri, *Toronto, Canada and *Mexico, D. F. FACTORY: Clifton, N. J.

concentrated oils
terpeneless oils
essential oils

polak's frutal works
middletown, new york

perfume bases
aromatic chemicals
flavoring materials

Branch Office:
Chicago, Illinois
Agents in all
principal cities.

DREYER
FLAVORS
SYNTHETICS and
ISOLATES

Anethol N.F. VIII
Benzaldehyde N.F. VIII
Cinnamic Aldehyde N.F. VIII
Citral
Coumarin N.F. VIII
Eucalyptol USP XIII
Eugenol USP XIII
Menthol Natural USP XIII
Oleo Resin Capsicum

Write for Samples, Prices, and Dreyer Catalogue

119 West 19th Street, New York 11, N. Y.

Want a Best Seller ?...

A HAPPY BLENDING of fragrance for your product might well produce an outstanding *sales* success story. Do what America's leading manufacturers have done — consult with Naugatuck Aromatics. You'll find a perfect combination of skill, experience and resources to help you with any perfuming problem.

Our chemists and perfumers can show you how to re-odor numerous types of manufactured items. They can help you add a neutral tone to almost any finished product. *Or* they can blend the one, distinctive fragrance that will help your product become a *best* seller.

Write or call us soon!

NAUGATUCK ⊛ AROMATICS
DIVISION OF UNITED STATES RUBBER COMPANY
254 Fourth Avenue, New York 10, N. Y.—701 South La Salle Street, Chicago 5, Ill.
Toronto—Montreal
Sole Distributors for:
BRUNO COURT, S. A., GRASSE, FRANCE

MANUFACTURERS OF AROMATIC CHEMICALS—IMPORTERS OF ESSENTIAL OILS

Stocks were plentiful as suppliers prepared to meet the stepped up demand which customarily occurs in the spring and summer. There was not much interest shown in the imported oils, which were considerably higher in price.

Patchouli—Prices for this material continued to stand at the low level of $7.75 to $17 a pound. Stocks remained large with little oil going to consumers. The general picture of the market was one of extreme weakness.

Pennyroyal—A reduction of 5c. per pound made for a minimum quotation of $3 per pound, while the market ranged to a high of $4.50 a pound. There were good stocks of the oil readily available on the spot market and the primary market appeared to be fairly easy.

Peppermint—This was a steady market with prices holding at unchanged level and supplies comfortable. There were adequate stocks still unsold on spot and in the country and no difficulty was seen in the near future. The next crop will come due in late summer and observers felt that present stocks should carry the demand until that time.

Sage—Clary oil showed some strength with prices moving up $2 per pound to range from $22 to $23 per pound. The material was not too plentiful, but there appeared to be enough to meet the moderate demand. Dalmatian oil continued to be fairly easy at prices of $10.50 to $13.75 a pound. Supplies were good and replacements available. However, buying interest was only mild. Spanish oil was a quiet item at prices of 90c. to $2.25 per pound. There was no problem of supply, although buying was limited.

Sandalwood—One dealer continued to quote this oil at the low $9.75 per pound, while others placed their material a bit higher at $10.50 to $12 per pound. Stocks were quite large and replacements were readily available. The market appeared to be comfortable and somewhat soft.

Spearmint—Prices were quite firm ranging from $7.60 to $8.75 a pound with most offerings placed over $8 per pound. Stocks were very much limited on the spot market and the same was said to be true in the country. The present supplies will have to carry the market until late summer when the next crop will be ready for sale.

Vetiver—Bourbon oil prices showed a bit more strength during the past week. The lowest quotation reported was $1 per pound above the previous minimum at $23.50 a pound. Other quotations ranged to $30 per pound. Haitian oil, on the other hand, was offered at a lower price by one supplier last week. It could be had at $20.50 to $26 per pound. None of the material was overly abundant, but stocks were adequate to meet the current demand.

Ylang-Ylang—This scarce oil was still priced extremely high. The lowest quotation reported for the extra grade oil during the past week stood at $38 per pound, with the few other offers priced up to $40 a pound. Very little oil was offered anywhere, the small stocks usually being used by holders for their own formulations. However, the high prices tended to discourage consumer interest to a great degree.

Aromatic Chemicals

Decyl Alcohol—This continued to be a stable market. Prices were unchanged at $1.70 to $2 per pound. Supplies were adequate and production maintained at a good rate. A normal volume of business was done.

Diphenyl Oxide—An advance of 3c. per pound was made by one producer of this chemical which resulted in a market price of 54c. per pound for large quantities. In smaller lots, prices ranged to 56c. per pound. The market exhibited some strength, although there were good quantities available when needed.

Hydroxycitronellal—With supplies plentiful and the cost of the basic material, citronella oil, very favorable, this was an easy market. Prices were low at $7.20 to $8.40 per pound and producers were anxious to do business in the aromatic. Sales were not hurried.

Nerolin—This market was without special feature. Production has been well-maintained, providing a good deal of material readily available to consumers when needed. Consumer interest was normal and price remained steady at $2.25 to $2.65 per pound, according to producer and quantity.

Tombarel BASIC PERFUME MATERIALS
Natural Flower Essences
★ ESSENTIAL OILS
★ AROMATIC CHEMICALS
Special Perfume Creations
for all purposes
Tombarel PRODUCTS CORPORATION
12 East 22nd St., New York 10, N.Y.
IN CHICAGO
A. C. Drury & Co., Inc., 219 East North Water Street

Fragrances
THAT HEIGHTEN
PRODUCT
INDIVIDUALITY

• VERONA . . . an acknowledged leader in the creation of fine Aromatic Chemicals . . . makes available a wide range of basic raw materials and the services of Experienced Compounders to meet your strict specifications. *Profitably* link the outstanding quality of *our* products to the individuality of *yours* VERONA CHEMICAL CO., 26 VERONA AVE., NEWARK, N. J.

SOLE AGENT IN U. S. A. FOR J. & E. SOZIO, GRASSE, FRANCE
NATURAL ABSOLUTES • ESSENTIAL OILS • RESINOIDS
AROMATIC VERONA DIVISION
VERONA CHEMICAL COMPANY 26 VERONA AVE., NEWARK, N. J.

ROURE-DUPONT INC.
General Office
366 MADISON AVE., NEW YORK
Chicago Branch
510 North Dearborn St.
Los Angeles Branch
5517 Sunset Blvd., Hollywood

Sole Agents in U.S.A. and Canada for
Roure Bertrand Fils and Justin Dupont
Grasse (A.M.) France
Argenteuil (S.&O.) France

ESSENTIAL OILS
AROMATIC PRODUCTS

Obituaries

Morris W. Kellogg

Morris W. Kellogg, chairman of the board of M. W. Kellogg Company, New York, died February 22 in that city. He was seventy-nine years of age.

Mr. Kellogg established the Kellogg company in 1905. Originally designers of industrial chimneys, the firm went into the manufacture of pipes and later tanks for storing materials under high pressure and high temperature. This led into the petroleum field, and in 1921, after Mr. Kellogg had bought a number of patents for cracking crude oil under pressure, the company turned to the design and construction of petroleum refineries.

Mr. Kellogg remained president of the firm from 1905 until 1946, when the company was bought by Pullmann, Inc., of which he was also a director. At that time, he became board chairman of the Kellogg company. He was also president and director of Canadian Kellogg Company, Ltd., board chairman of Kellex Corporation, a director and member of the executive committee of American Can Company, and a director of both Gasoline Products Company and the Polymerization Process Corporation.

William A. Ayres, a member of the Federal Trade Commission and a former congressman from Kansas, died February 17 in Washington, D. C. He was eighty-four years old. Mr. Ayres had been with FTC continuously since 1934.

Erwin J. Burkhardt, sales manager of the aviation division of Standard Oil Company (Ohio), Cleveland, died February 24 in that city. He was fifty-five years of age.

Gordon R. Clark, vice-president of the Cuba plant of the Colgate-Palmolive-Peet Company, Ltd., of the United States, died recently in Havana, Cuba, it was reported last week. He was fifty-nine.

Mrs. Eugene A. Markush, vice-president and secretary of the Pharma Chemical Corporation, New York, died February 22 in that city. She was fifty-four.

Joseph R. Morath, west coast sales manager of the Naugatuck Chemical Division, United States Rubber Company, died February 7 in Los Angeles, Calif. His age was forty-six. Mr. Morath had been associated with Naugatuck for the past twenty years, becoming Los Angeles plant and west coast sales manager for the company six years ago.

Dr. Donald C. Stockbarger, associate professor at Massachusetts Institute of Technology, Cambridge, Mass., died February 23 in Belmont, Mass. He was fifty-six years old. Dr. Stockbarger gained prominence for his development of fluorite crystals for optical use during World War II.

Adolph L. Weil, former president of the General Petroleum Corporation, Los Angeles, Calif., died February 25. He was seventy-six years old.

John V. B. Wicoff, president of the Trenton Bone Fertilizer Company, Trenton, N. J., died February 25 in Plainsboro, N. J. He was seventy-three.

Squibb, Hoffmann-La Roche Develop New Drugs for TB

E. R. Squibb & Sons, New York, and Hoffmann-LaRoche, Inc., Nutley, N. J., have announced new drugs which offer considerable promise in the treatment of tuberculosis.

Squibb's material is called "Nydrazid," and Hoffmann-LaRoche has two, known as "Rimifon Roche" and "Marsilid Roche." The drugs were developed at the laboratories of Squibb and Hoffmann-LaRoche after considerable research and have been administered successfully to both animals and human patients. Further studies are still underway. General distribution to the medical profession has not started.

N.Y. Aromatics Named Mero & Boyveau Agent

New York Aromatics Corporation, High Bridge, N. J., has been named sole agents in the United States for Mero & Boyveau, Grasse, France. The French concern produces an extensive line of essential oils, floral absolutes, resinoids, compound perfume bases, fruit essences and other items. New York Aromatics has offices at 5 Beekman street in New York and 6349 North Clark street in Chicago.

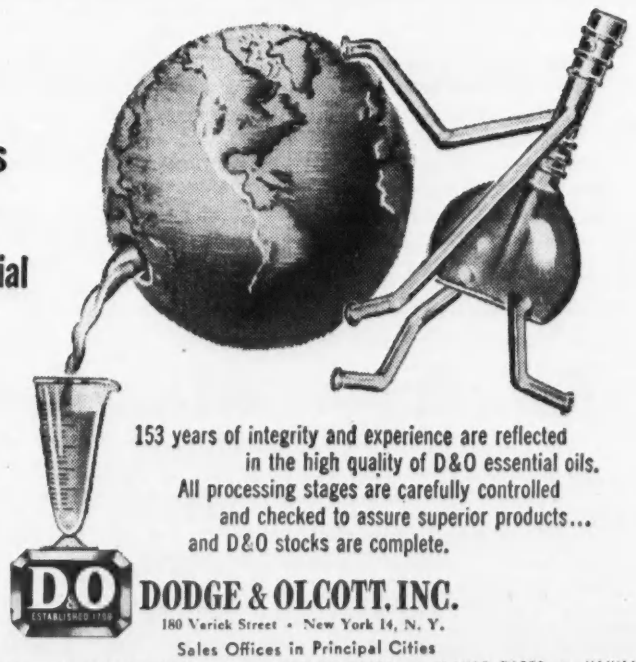
Polak & Schwarz
Incorporated
667 Washington Street
New York 14, N. Y.
173 West Madison St.,
Chicago 2, Ill.

Perfume Specialties
Flavors
Aromatic Chemicals
Essential Oils
Colors

AFFILIATED COMPANIES:
Zaandam—Holland
Enfield—England
Bois-Colombes—France
Brussels—Belgium
Reinach—Switzerland
Stockholm—Sweden
Rio de Janeiro—Brazil
Buenos Aires—Argentina
Toronto—Canada

FAIRMOUNT CHEMICAL CO., INC.
600 FERRY ST., NEWARK 5, N.J.
For Food Flavors
DIACETYL • ACETOIN
ACETYL PROPIONYL

the world's finest essential oils



153 years of integrity and experience are reflected in the high quality of D&O essential oils. All processing stages are carefully controlled and checked to assure superior products... and D&O stocks are complete.

D&O ESTABLISHED 1798
DODGE & OLCOTT, INC.
180 Varick Street • New York 14, N. Y.
Sales Offices in Principal Cities
ESSENTIAL OILS • AROMATIC CHEMICALS • PERFUME BASES • FLAVOR BASES • VANILLA

for BEST RESULTS...
use BEST MATERIALS

★ AROMATIC CHEMICALS
★ PERFUME OILS
★ INSPIRING SPECIALTIES FOR THE CREATIVE PERFUMER

van Ameringen-Haebler, inc.
521 WEST 57th STREET
NEW YORK 19, N. Y.

AROMATICS • ESSENTIAL OILS • PERFUMERS' MATERIALS
SYNTOMATIC
CORPORATION
NEW YORK

AROMATICS
ESSENTIAL OILS
PERFUME OILS
FLAVORS

Confidence is based on a knowledge of an ability to perform. Let us show you why so many progressive manufacturers in the perfume and cosmetic industry say, "Be Sure with Syntomatic".

SYNTOMATIC CORPORATION
114 E. 32nd St., New York 16 · MUrray Hill 3-7618

INDOPOL

REG. U. S. PAT. OFF.

Polybutenes

INDOIL®
CHEMICAL PRODUCTS

Viscous...Light Color...Stable...
as tackifiers and modifiers...

are widely used for quality improvement and cost reduction of calking and sealing compounds, adhesives, surgical and industrial tapes, tracing paper, rubber products, tree bands and in electrical insulation.

Dependable supply in seven viscosity grades from 100 S.S.U. at 100° F. to 3000 S.S.U. at 210° F.

Send for Bulletin 12

INDOIL CHEMICAL COMPANY
910 SOUTH MICHIGAN AVENUE • CHICAGO 80, ILLINOIS

Stearates

ZINC STEARATE — *For* PHARMACEUTICALS, COSMETICS, RUBBER, PAINTS, VARNISHES, LACQUERS, PLASTICS.

ALUMINUM STEARATE — *For* PAINTS, VARNISHES, LACQUERS, LUBRICATING GREASES, INKS.

CALCIUM STEARATE — *For* PAINTS, VARNISHES, LACQUERS, WATER-PROOFING, SURFACE COATINGS.

BARIUM STEARATE

MAGNESIUM STEARATE

Where Uniformity Is An Achievement

PLYMOUTH BRAND

Technical Service Available • Send for Samples and Data

M. W. PARSONS-PLYMOUTH, INC.

GENERAL OFFICES 59 BEEKMAN STREET, NEW YORK, N. Y. FACTORY: BUSH TERMINAL BUILDINGS, BROOKLYN, N. Y.
DISTRIBUTION POINTS AND AGENTS IN ALL PRINCIPAL CENTERS

Distributors
THOMPSON-HAYWARD CHEMICAL CO., Kansas City, Mo., and Branches
O. L. WEST, Philadelphia, Penna.
HAWXHURST & CO., San Francisco & Los Angeles, Cal.
THE A. G. WATT CO., Cleveland, Ohio
A. L. WEBB AND SONS, 1411 Fleet St., Baltimore, Md.

KESSCO PRODUCTS — CHEMICAL SPECIALTIES

If you are seeking permanent flexibility, heat stability, water resistance, good hand, drape and resilience in your resins,

INVESTIGATE

BUTYL CELLOSOLVE* STEARATE
LAURATE OLEATE

PRIMARY PLASTICIZERS
for
Nitrocellulose, Ethyl Cellulose
Polystyrene, Synthetic Rubbers

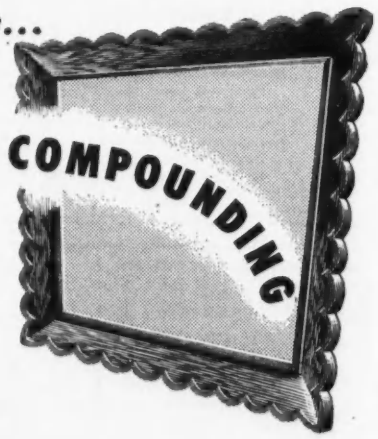
SECONDARY PLASTICIZERS
for
Polyvinyl Chlorides and Copolymers

*Trademark of C.&C.C. Div.

KESSLER CHEMICAL CO., INC.
ESTABLISHED 1921
STATE ROAD and COTTMAN AVE. • PHILADELPHIA 35, PA.

Fits into your picture...

ALLIED UNIFORM COMPOUNDING



PRECISION in formulation and compounding of Gilsonite, Pitches and Waxes to the specifications of protective coating manufacturers has been the core of Allied Service for a quarter of a century. Our customers have come to depend upon the uniformity of each compound, made possible by our skilled technicians of long experience.

PITCH COMPOUNDS

OIL EXTENDERS
Black paints • Varnishes
Baking enamels • Industrial paints
Protective coatings • Drying oil pitches
Various blends—processed to definite specifications and melting points.

GILSONITE

ALLIED SUPER SELECTS—Melting point 270°-280° F. Low viscosity, uniform, clean.

FINES—Obtained from Super Selects Ore. M.P. 270°-280° F.

ALLIED E.B. ORE—Melting point 320°-330° F. Medium to high viscosity, uniform, clean.

WAXES

Ozokerite • Ceresine • All types for special uses formulated to order

Wherever Pitches, Gilsonite and Waxes fit into your product picture, call on the Allied agent nearest you.

Allied Asphalt & Mineral Corp.

ESTABLISHED IN 1925
217 BROADWAY, NEW YORK 7 • FACTORY: DUNELLEN, N. J.

AGENTS AND WAREHOUSE STOCKS IN PRINCIPAL CENTERS

ATLANTA — Deeks & Sprinkel Co.
BALTIMORE — Warner-Graham Co.
BOSTON — Mulcahy & Griffin
BUFFALO — Wetherbee Chemical Co.
CHICAGO — Philip E. Cole Co.
CINCINNATI — Deeks & Sprinkel
CLEVELAND — Norman G. Schabel Co.
DETROIT — D. H. Osgood Co.
HOUSTON — Jos Coulson Co.
KANSAS CITY — John T. Kennedy Sales Co.
LOS ANGELES — E. B. Taylor Co.
LOUISVILLE — Deeks, Sprinkel & Miller, Inc.
MONTREAL, CAN. — Wm. J. Michaud Co., Ltd.
PHILADELPHIA — Loos & Dilworth, Inc.
PORTLAND, ORE. — Miller & Zehrung Chemical Co.
ST. LOUIS — Harry G. Knapp
SAN FRANCISCO — E. M. Wells
SEATTLE — Carl F. Miller & Co.
TORONTO, CAN. — A. S. Paterson

Protective Coatings Materials

Argentine casein continued its downward trend last week, reflecting the recent lowering of the floor price by the Argentine authorities. Domestic material was unchanged. The lemon No. 1, No. 2 and superfine grades of shellac were easier, but TN and the bleached grades held. Vermilion red reversed its trend and moved upwards.

Conditions of supply, demand and price were basically unchanged in the market for such materials as lead pigments, antimony oxide, titanium dioxide and zinc pigments. Lamp black gave evidence of the usual spring pickup in small, retail packages.

Synthetic resins were without great change. Demand, although not up to that of the comparable period a year ago, was pretty good. Supply of most items was equal to the call. Alkyds, overall, were in balance, although in the east and particularly around New York they were a little slower on demand. Pure and modified phenolics were in a fairly good demand and supply had improved to a point where it was now satisfactory. Maleics were available in sufficient amounts to accommodate an average demand.

Gums were spotty. The spot market was materially unchanged although there was reported to be a lowering in Macassar futures as a result of the Indonesian currency devaluation. Some quarters saw the devaluation as an encouraging factor to purchasing here. Supplies were ample, but there were no overages. Thought was being given to the coming new Indian shellac crop. Lower prices, confidence in future supply and a desire on the part of consumers to keep cash liquid instead of turning it into inventories were seen as reasons for an easier buying trend.

Diethyleneglycol ethers were off a little on demand, but not seriously. Supply was up to trade requirements. Phthalates were in pretty good demand all around. Supply, although not over-long, was adequate. The various sebacates were moving well, despite some recent easings, Government allocations have been eased somewhat and consumers could generally find enough for their ordinary requirements. Demand for graphite was good, with the railroads, foundries and grease and other lubricating materials manufacturers taking a substantial amount.

Market Trends

Prices Advanced

Red, vermilion, quicksilver, 1c. per lb.

Prices Reduced

Casein, imported, acid-precip., 2¾c. per lb.
Rosin, gum, New York, WG, WW, X, 25c. per 100 lbs.
Shellac, lemon, No. 1, superfine, 1c. per lb.
lemon, No. 2, 2c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Mar. 2, 1951
215.3	215.3	215.3	173.7	212.8

(For Current Prices see Page 9)

Prime Pigments

Antimony Oxide—The price picture was without change last week. The ordinary requirements of consumers could be accommodated comfortably. Demand held at moderate to good levels.

Black, Lamp—Prices held at 16c. to 45c., depending on grade. Demand all around was pretty good. On the industrial side, the chemical, paint and ink manufacturers were doing the principal buying. The small retail package demand was also pretty good. In retail packages the material generally moves better in the spring and fall, and it was reported that there were already signs of a spring pickup. Supply was adequate for the market at this time.

Dry Colors—No particular change was evident in the market for the various items. Supply was up to the ordinary requirements of consumers and demand continued at a pretty good level. Prices held.

Lead Pigments—Supply was still not at a high point. The demand was running along at about fair levels. There were no changes reported in the price structure.

Red, Vermilion, Quicksilver—The advance in quicksilver moved this item up 1c. last week, with the listing settling at $3.72. Demand was limited but supply was ample.

Titanium Dioxide—Demand was at good levels. Supply, as evidenced by a producer's recent removal of the material from allocation, was adequate.

Zinc Pigments—Demand continued about fair, with producers setting their hopes on a pickup with the coming of warmer weather. Supply was up to the market. Prices continued at previously established levels.

Synthetic Resins

The market continued without any radical change. Demand was not up to the levels of the corresponding period last year, but it was still fairly good. Supply of most items was adequate for the demand.

Alkyds were in a pretty good balance. Demand on the whole was good, although it was a little lower in the East and particularly around the New York metropolitan area. Demand for pure and modified phenolics was fairly good, and supply, which not long ago had been tight, was reported satisfactory. Phenol was moving into a more comfortable supply position. Maleics held at fairly good levels and there was enough material available to accommodate it.

Natural Resins

Spottiness persisted in the gums demand. On the overall, it was fairly good, with business having its ups and downs from day to day. There were no changes in the spot market, although Macassar futures were reported lower as a result of the Indonesian currency devaluation. It was said that the devaluation might encourage trade here. Supply was up to present requirements. There were no overages here or abroad. A sudden spurt in purchasing, it was thought, could possibly bring with it tightnesses in some of the grades.

Shellac—Lemon No. 1 moved downward 1c., settling at 44c. to 49c. Lemon No. 2 was 2c. lower, at 41c. to 47c. Superfine slid 1c., to 40c. to 42c. The low side of TN was unchanged at 39c., but the high side moved downwards ½c. to become 41c.

Demand in New York was called fair. There was a spottiness in it and most of it was on a hand to mouth basis. Lower purchasing prices, no further need for carrying large inventories and a desire to keep cash liquid and not tied up in inventory were seen as the principal reasons for the current rate of buying. The Indian market continued to fluctuate, but not enough to have any serious repercussions on the market in this country. The coming new crop in India was having some influence. The trade does not know yet what it will amount to, but some think it will be about fair. The Indian trade is not averse to selling off old material before the new crop comes in, even at lower prices. The American market was not supporting India strongly.

The following table shows shipments, in packages, of shellac and seedlac from India in January of this year, compared to January of last year:

Shellac

	January, 1952	January, 1951
United Kingdom	3,281	5,520
Continent	3,065	3,810
United States	7,640	19,716
Elsewhere	4,498	4,195
	18,484	33,241

Seedlac

	January, 1952	January, 1952
United Kingdom	930	1,095
Continent	5,536	5,604
United States	9,110	10,905
Elsewhere	581	109
	15,977	17,713

Lacquer Materials

Diethyleneglycol Ethers—Demand was said to be off a little, but not seriously. On the whole, the various items were moving fairly well. Supply was reported to be adequate. Orders for ordinary amounts could be handled comfortably. Prices were holding.

Following are the postings, in the largest lots, of the various materials:—Diethylether, carloads, 46½c.; monobutylether, tanks, 27c.; monobutylether acetate, carloads, 30c.; monoethylether, tanks, 19c.; monoethylether acetate, carloads, 26¾c.; monomethylether, tanks, 23½c.

Phthalates—Demand for the various items was pretty good all around. One producer said it was better than it had been in the fall. This source was selling all it could produce but found it had

For Late Market Developments, See Page 4

PICCOLYTE

the Ideal Resin Bases for

VARNISH
ENAMEL
FLAT PAINT
FINISHES

because Piccolyte is

★ neutral
★ pale
★ non-yellowing
★ readily soluble
★ compatible
★ resistant to acids and alkalies
★ Low in Cost

Write for samples and full details

PENNSYLVANIA
INDUSTRIAL CHEMICAL CORP.
CLAIRTON, PENNSYLVANIA

Plants at Clairton, Pa., West Elizabeth, Pa., and Chester, Pa.
Distributed by Pennsylvania Falk Chemical Co., Pittsburgh 30, Pa.
and Harwick Standard Chemical Co., Akron 5, Ohio

NEVILLE LX685 RESIN

Now
› lighter in color
› lower in price

Specifications

MELTING POINT (Cube-in-Mercury)
3 ranges available: 115° to 130° C; 130° to 140° C; 175° to 190° C

COLOR, Resin, (Neville Method) 1 2½
Acid No. Less than 1
Saponification No. 0
Iodine No. 110 to 140
Av. Sp. Gr. at 25° C 1.113
Av. wt. per gal. 9.27 lbs.

for making
FLOOR & CONCRETE PAINTS
PORCH & DECK ENAMEL
METAL PRIMERS • CHASSIS BLACKS
GASOLINE & GREASE-PROOF COATINGS
FAST-DRYING ALUMINUM PAINTS
CONCRETE-CURING COMPOUNDS

NOW, you can cook better varnishes at lower cost thanks to Neville's LX-685 Resin. Here is an improved neutral, unsaponifiable, heat-reactive resin. Coatings made from LX-685 are fast-drying, have good light stability and show excellent resistance to acids, alkalis, alcohols, grease, gasoline and water. Color range is lightened to 1—2½.

Ask us for samples and data

LX-685

Write for Bulletin

THE NEVILLE COMPANY • PITTSBURGH 25, PA.

Plants at Neville Island, Pa., and Anaheim, Cal.

A44

OHIO APEX INC. NITRO, W. VA. — fmc FOOD MACHINERY AND CHEMICAL CORPORATION

High quality PLASTICIZERS

PHTHALATE PLASTICIZERS FOR MANY SPECIAL PURPOSES:

DINOPOL (n-octyl decyl phthalate)
DOP (di-2-ethylhexyl phthalate)
D.I.O.P. (di-iso-octyl phthalate)
DI "CARBITOL" PHTHALATE
ETHOX* (di-ethoxyethyl phthalate)
KP-201 (di-cyclohexyl phthalate)
KRONISOL* (di-butoxyethyl phthalate)
METHOX* (di-methoxyethyl phthalate)
OHOPEX* 910 (octyl fatty phthalic esters)

* Registered trademarks of Ohio-Apex, Inc., Div. FMC
* Registered trademark of C. and C. Chem. Corp.

Other PLASTICIZERS:
ADIPATES — PHOSPHATES — FATTY TYPES AND SPECIALTIES

Your Orders or Inquiries Will Receive Prompt Attention

Telephone NITRO-152 Cable Address OHOPEX-NITRO

OHIO-APEX, INC.
DIVISION OF FOOD MACHINERY AND CHEMICAL CORPORATION
NITRO, WEST VIRGINIA

ZINC OXIDE
ZOCO BRAND
99.8%
Suitably packed for Export • Made in Canada

French Process
Lead Free
Acicular
U.S.P.

DUFF CHEMICAL COMPANY, INC.
342 Madison Avenue
MUrray Hill 7-6502
New York 17, N.Y.
Cable Address "Chemduf"

CROSBY
THE MARK OF QUALITY

CROSBY CHEMICALS, INC.
DE RIDDER, LOUISIANA
PLANTS: PICAYUNE, MISS., AND DE RIDDER, LA.

STEAM DISTILLED WOOD TURPENTINE
ATTRACTIVE PINT, QUART, GALLON AND 5 GALLON CONTAINERS
TANK CARS

LIMED ROSINS
CALBRITE, FF-L-45

BEREZ
A DARK WOOD RESIN
AVAILABLE IN SOLID OR SOLUTION

ESTER GUMS
GLYCEROL AND PENTAERYTHRITOL TYPES

GLOSS OILS
GLOSS OIL 60
GLOSS OIL 65

PALE WOOD ROSINS
ALL GRADES X TO K

MALEIC MODIFIED ESTERS
CROSBY 1015, 1016, 1417, 1418

ALL PALE ROSINS AND RESINS AVAILABLE IN NEW TYPE, LIGHT TARE, SCRAP VALUE, ALUMINUM DRUMS

REPRESENTATIVES IN ALL PRINCIPAL CITIES

to "push" the materials a little harder. In other quarters they were found to be off a little, but there was an upward tendency noted, particularly for March shipment. Supplies were adequate, although they were not what could be called overlong.

Following are tankcar listings that prevailed last week:— Dibutyl, 39c.; dicapryl, 39¾c.; diethyl, 31c.; di-isooctyl, 40¾c. to 42c.; dimethyl, 27½c. to 28c.; dioctyl, 40¾c. to 42½c. Dicyclohexyl phthalate, for which there was no tankcar price, was posted at 60c. in carloads.

Sebacates—Demand was reported to be off somewhat. It was still at good levels, however, and was said to have continued pretty evenly recently. Supply is still under government allocation, although that has been eased somewhat since the first of the year. Consumers could obtain enough to accommodate their ordinary requirements without any particular trouble, it was reported.

Following are the prices prevailing last week:— Dibenzyl, tanks, 91c.; carloads, 92¾c. and less carloads, 93¾c.; dibutyl, CP, tanks, 90¼c.; carloads, 92c. and less carloads, 93c.; dibutyl, technical, tanks, 88¼c.; carloads, 90c. and less carloads, 91c.; dicapryl, tanks, 76¾c.; carloads, 78¼c. and less carloads, 79½c.; dihexyl, tanks, 74¾c.; carloads, 76½c. and less carloads, 77½c.; dimethyl, tanks, $1.30; carloads, $1.31¾ and less carloads, $1.32¾.

Miscellaneous Materials

Casein—Argentine material settled at 23¼c. to 27c. This was a decrease of 2¾c. The reduction of the floor price at the source was the reason. It was down to 18c. there, but it was understood that the Argentine authorities would consider issuing export licenses at 17c. or less. Some sources had expected the floor price would be abolished completely, but that has not happened. Some speculative buying was going on in this country because purchasers thought prices would not go much lower. One importer said supply of Argentine was plentiful; another stated there was not much around.

Domestic material continued unchanged pricewise. Demand was slow and there seemed to be no immediate reflections of the Argentine lowering. Supply was up to the market.

News of the decline in the Argentine brought about a decline in the shipment price of material from Denmark. The shipment prices became equal, although spot stocks could be purchased at a discount. The French market continued unpredictable. Although prices declined along with those from other sources, it was reported that the production this season will be about 50 percent less than last. Prices from Holland continued low.

CUSTOM FORMULATIONS TO YOUR GOVERNMENT CONTRACT
Alkyd Resins of Highest Quality and Uniformity
Always Alkydol!
ALKYDOL LABORATORIES, INC.
3240 South 50th Ave. • Cicero 50, Illinois

ALBATOL

ALBATOL 300
USES: Kettle blending
Core Oils
Caulking compounds

LIGHT COLORED PENTAERYTHRITOL ESTERS OF TALL OIL

ALBATOL 600
USES: Kettle blends
Linoleum
Printing inks

ALBATOL MALEIC—MODIFIED 3480
USES: As a finished varnish and vehicle
Excellent drying properties

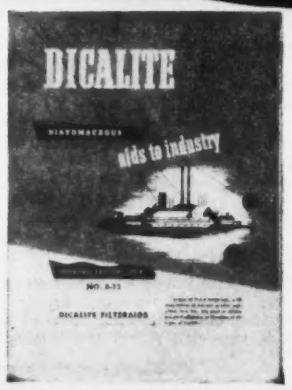
Manufactured and Sold by
The Albemarle Paper Manufacturing Co., Richmond, Virginia

HEADQUARTERS FOR ROSIN OIL
WRITE FOR OUR "PINE TREE PRODUCTS" BOOKLET
NATIONAL ROSIN OIL PRODUCTS, INC.
R. K. O. Building, Rockefeller Center, New York 20, N. Y.
Offices: 3001 West 47th Street, Chicago, Ill. Factory: Savannah, Ga.

Need Filteraid? Call DICALITE
Need Filtration Data?

Send for this latest bulletin on the most effective ways to use diatomaceous filteraids; Bulletin B-12—free

DICALITE DIVISION
GREAT LAKES CARBON CORPORATION
612 S. Flower St., Los Angeles 17, Calif.



New Zealand material was competing with that from the Argentine, pricewise. There was plenty of it on spot and to arrive.

Graphite—Prices held last week. No changes in the immediate future could be foreseen. The bulk of the material is imported and there are no price controls on it. Demand was running at what was characterized as a very good level, although one producer said it could still be a little better. A substantial amount was going to the railroads, foundries and the grease and other lubricating materials manufacturers. Supply was reported to be very good. The ordinary requirements of consumers could be handled comfortably. Whatever difficulties there were were largely a result of the milling situation. In at least one instance a producer was running its milling on a twenty-four hours a day basis.

Naval Stores

The record of the gum naval stores markets during the week ended February 29 was as follows. (Under Savannah Exchange prices marked with an asterisk are actual sales prices of the week, others are last known prices):—

Gum Rosin

	Price per 100 lbs.						
	Savannah Exchange (Low of range)					New York c.i., l.c.l., f.o.b. ex N. Y. whse.	
	Mon.	Tues.	Wed.	Thur.	Fri.†	Friday	
B	$7.00	$7.00	$7.00	$7.00	...	$8.60	$9.35
D	7.00	7.00	7.00	7.00	...	8.60	9.35
E	7.50	7.50	7.50	7.50	...	8.60	9.35
F	7.70	7.70	7.70	7.70	...	8.60	9.35
G	7.70	7.70	7.70	7.70	...	8.60	9.35
H	7.70	7.70	7.70	7.70	...	8.60	9.35
I	7.75	7.75	7.75	7.75	...	8.60	9.35
K	7.75	7.75	7.75	7.75	...	8.60	9.35
M	7.75	7.75	7.75	7.75	...	8.60	9.35
N	9.07	9.07	9.07	9.07	...	8.60	9.35
WG	8.20	8.20	8.20	8.20	...	8.85	9.60
WW	9.60	9.60	9.60	9.60	...	9.10	9.85
X	9.60	9.60	9.60	9.60	...	9.10	9.85
	Drums						
Sales	...	...	...	...	...		
Receipts	121	744	...	214	...		
Shipments	...	...	...	178	...		
Stocks	12,802	13,546	13,546	13,582			

Gum Turpentine

New York, Friday, tankcars, f.o.b.gal. (7 lbs.). .76
ret. dms., l.c.l., ex whse....gal. (7 lbs.). .87

	Savannah Exchange, Bulk				
	Mon.	Tues.	Wed.	Thurs.	Fri.†
Per gal.	.67	.67	.67	.67	...
Sales, dms	...	...	...	...	...
Receipts, dms	2	6	5	...	...
Shipments, dms	80	42	145	138	...
Stocks, dms	6,317	6,281	6,141	6,003	...

† Not available.

Peanut Marketing Quota Change Bills in Hopper

Senator Walter F. George of Georgia has introduced a bill (S. 2697) in the senate to eliminate those provisions of the current peanut marketing quota law which permit the growing of peanuts for oil in excess of what might be termed the "regular peanut marketing quota." A similar bill (H. R. 6375) has been introduced in the house.

The senator explained that during World War II and immediately thereafter the peanut growers were encouraged by the government to greatly expand production of peanuts. After the need for expansion had passed, the growers were urged to drastically reduce acreage, the aim being to bring edible peanuts in line with demand. To cushion the effect of the reduction on grower incomes, the excess peanuts for oil provision was written into the law.

Senator George said that he favored this provision at the time it was used in 1950, but now it appears that the producers have had what they think is an adequate time to make the necessary adjustment to place the peanut program on a sound basis, without the excess oil provisions. Therefore, he added, he was proposing repeal of the provision.

Jones-Dabney Co. Names Thomas Resins Sales Mgr.

J. M Thomas has been appointed sales manager of the resins and chemicals division of Jones-Dabney Company, Louisville, Ky., a division of Devoe & Raynolds Company.

Mr. Thomas has been with Jones-Dabney fifteen years. Originally employed as a laboratory assistant in the enamel production department, he was soon thereafter placed in charge of the varnish development laboratory. In 1945, he became technical director of the resins and chemicals division, and four years later was appointed assistant sales manager of that

N. Y. Paint Club to Meet

The New York Paint, Varnish & Lacquer Association will observe "Paint Pioneers Night" at its meeting March 20 at the Biltmore hotel, N. Y.

LEFFINGWELL

Stearates and Palmitates of ☐ ALUMINUM ☐ BARIUM ☐ CALCIUM ☐ COPPER ☐ IRON ☐ LEAD ☐ MAGNESIUM ☐ ZINC ☐ SODIUM ☐ POTASSIUM

Contact your local jobber— or write direct to Leffingwell for details and literature.

Let us help you with your problem. LEFFINGWELL CHEMICAL COMPANY—P.O. Box 191 WHITTIER, CALIFORNIA

☐—Please send free literature

☐—Please send samples of—

NAME

ADDRESS

CITY ZONE

STATE

Mallinckrodt® STEARATES

STANDARDIZED AND CUSTOM-MADE

Mallinckrodt®

ALUMINUM
BARIUM
CALCIUM
MAGNESIUM
SODIUM
STRONTIUM
ZINC

An outstanding line of Stearates—over 20 grades and types. Top quality in any quantity. Samples on request.

MALLINCKRODT CHEMICAL WORKS
Mallinckrodt St., St. Louis 7, Mo. • 72 Gold St., New York 8, N. Y.
CHICAGO · CINCINNATI · CLEVELAND · LOS ANGELES · MONTREAL · PHILADELPHIA · SAN FRANCISCO
Manufacturers of Medicinal, Photographic, Analytical and Industrial Fine Chemicals

ST. JOSEPH LEAD CO. OF PENNSYLVANIA
ST. JOE ZINC OXIDE
JOSEPHTOWN, PA.

ST. JOE *lead-free* ZINC OXIDES

a Grade for Every Purpose

Our unique electrothermic smelting method, the latest improvement in the production of zinc oxide by the American Process, ensures the uniformity of these St. Joe pigments because of the close control exercised at the most critical point—*the instant of oxidation.* This control applies to both chemical composition and particle size, and is largely responsible for the preference accorded our products by a steadily increasing number of zinc oxide consumers.

ST. JOSEPH LEAD COMPANY
250 PARK AVENUE, NEW YORK 17, N Y
Plant & Laboratory: Josephtown, Beaver County, Pa.

Your "Q" to Quality SHELLAC

4-Most for Quality

1. Bone dry bleached white shellac.
2. No. 65 extra white refined bone dry bleached shellac.
3. 8 lb extra light pure French varnish.
4. Orange shellacs—all grades.

GUARANTEED TO MEET WITH GOVERNMENT SPECIFICATIONS

Samples Furnished on Request

Agents in Principal Cities:

Allied Basic Chemical Co. Toronto, Canada
Allied Basic Chemical Co. Montreal, Canada
J. A. Castro Havana, Cuba
C. M. Durbin Company Cincinnati, Ohio
R. L. Kelly Danbury, Conn.
J. H. Hinz Company Cleveland, Ohio
W. D. Hodges Company Boston, Mass.
Harry Holland & Son, Inc. 9 So. Clinton St. Chicago, Illinois
James O. Meyers & Sons Buffalo, New York
Emmet Nicolai San Juan, Puerto Rico
H. C. Ross Burbank, California
E. M. Wells Co. San Francisco, California

THE MANTROSE CORPORATION

Importers • Bleachers • Manufacturers

136-146 FORTY-FIRST STREET • BROOKLYN 32, N. Y.

HIGH QUALITY DOMESTIC

CASEIN

ACID AND RENNET

Top quality acid and rennet casein is available in quantity from Hercules Powder Company, largest producer of domestic casein, and a major supplier of imported grades. Shipment is made from these Hercules plants...

MINNESOTA: Cambridge, Watertown
WISCONSIN: Elroy, Milwaukee

For prices and technical data, write:

HERCULES POWDER COMPANY
936 Market Street, Wilmington, Del.

PC51-1R

HERCULES

PURE ENGLISH

(quicksilver)

Vermilions

brilliant

ORANGES
REDS
MAROONS

Extremely high opacity reds—permitting reduced pigment-to-medium ratios. Resistant to both acids and alkalis—non-bleeding, non-migrating.

special shade-matching service

write for information

GENERAL COLOR COMPANY

269 WRIGHT STREET
NEWARK 5, NEW JERSEY

Nat'l Lead Elects Welch To Board of Directors

William J. Welch has been elected a director of National Lead Company, New York. He succeeds Charles Simon, who has retired.

Mr. Welch joined National Lead in 1916. He served with the U. S. Cartridge Company as assistant to the manager until 1936, at which time he moved to the Atlantic branch metal sales department. In 1939 Mr. Welch was transferred to Morris P. Kirk & Son, Inc., in Los Angeles, Calif., where he became assistant sales manager. Returning in 1947 to New York, he became assistant to the manager of the metal department. In October of that year Mr. Welch was named manager of the metal sales department and last year he was appointed manager of National Lead's metal department.

Huber Corp. Offers New Carbon Black

J. M. Huber Corporation, New York, is now offering "Collocarb," which is described by the company as a new high-modulus furnace, dust-free carbon black. Said to be a combination of 80 percent "Modulex," Huber's HMF black, and 20 perecent process oil, "Collocarb" is claimed to retain the rubber-reinforcing characteristics of an HMF black, with greatly improved processing qualities, due to the intimate blending of oil and black at the time of production. Its dust-free qualities are said to make the product desirable for open-mill mixing. The material is supplied in pellet form, in fifty-pound bags or bulk shipments.

Reichhold Has New Vehicle

Reichhold Chemicals, Inc., New York, has placed on the market "Wallkyd," a pure alkyd flat-wall vehicle. The product, which is dissolved in a low odor thinner, is said to be free of rosin, rosin derivatives, lime and soaps. "Wallkyd" is claimed by Reichhold to combine the economy of limed vehicles with the speed of drying characteristic of emulsion paints.

Pratt & Lambert, Inc., Acquires Salt Lake Glass & Paint Co.

Pratt & Lambert, Inc., Buffalo, N. Y., has purchased the Salt Lake Glass & Paint Company, a Salt Lake City, Utah, retail and wholesale paint and wallpaper distributing company through an exchange of stock. Pratt & Lambert will continue to operate the business under its present name. The Salt Lake company has been a distributor of Pratt & Lambert products for many years.

Armstrong to Export Paint

Armstrong Paint & Varnish Works, Chicago, has announced the establishment of an export division at 11 West 42nd street, New York. Oscar F. Erlich will be in charge. Armstrong's plant has an annual capacity of 27,000,000 gallons of paint products.

Advertisement

Paint Deodorant Attracts New Buyers at Lowered Price

The recent price reduction on its best-selling Paint Deodorant #5 announced by Fritzsche Brothers, Inc., New York, is expected to expand the already considerable demand for this popular specialty. Used in its most effective proportions, Paint Deodorant #5 adds less than 1½c. to the cost per gallon of the average paint. It eliminates the objectionable odor characteristics produced by certain of the basic ingredients now being employed. Paint manufacturers seriously interested in the practical application of this scientifically developed masking agent for their paints, may obtain test samples by addressing their requests to the main office of Fritzsche Brothers, Inc., Port Authority Building in New York.—Adv.

EXCLUSIVE...

TO PAINT MANUFACTURERS:

TEAR OUT AND ATTACH THIS AD TO YOUR LETTERHEAD FOR A FREE TEST SAMPLE OF FRITZSCHE'S

PAINT DEODORANT #5

Its reduced price will enable you to mask the odor of your product easily, effectively and economically.

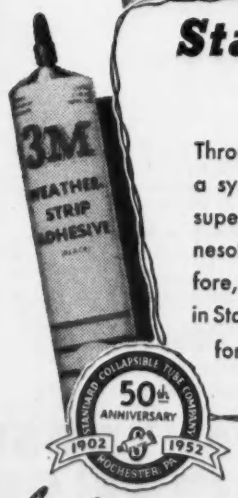
FRITZSCHE Brothers, Inc.

Established 1871

PORT AUTHORITY BUILDING
76 NINTH AVENUE, NEW YORK 11, N.Y.

3M...famous for

BETTER ADHESIVES



Standard... famous for

BETTER TUBES

Throughout the world, the 3-M trademark is truly a symbol of international repute, found on the superior adhesive and related products of Minnesota Mining & Mfg. Co. It is only natural, therefore, that these superlative products are packaged in Standard Collapsible Tubes, likewise recognized for outstanding quality!

Look for "Standard"

in your classified 'phone directory, under "Collapsible Tubes."

Standard
COLLAPSIBLE TUBE CO.
(Formerly Standard Specialty & Tube Co.)
Rochester, Pa.
Offices in Principal Cities

21

WOOD FLOUR

Manufactured from Kiln Dried WHITE PINE

60 to 200 mesh available at favorable prices f.o.b. Norway, Maine

WILNER WOOD PRODUCTS CO.
NORWAY, MAINE

The Nation's Most Comprehensive Family of

Protective Coatings

★ HOT APPLIED TAR BASE PIPE LINE ENAMELS
★ COLD APPLIED TAR BASE COATINGS
★ ALKYD BASE COATINGS
★ CHLORINATED RUBBER COATINGS
★ VINYL BASE COATINGS
★ PHENOLIC BASE COATINGS

PROTECTIVE COATINGS DIVISION

PITTSBURGH COKE & CHEMICAL CO.

GRANT BLDG., PITTSBURGH 19, PA.

New York Paint Technicians To Hear F. G. Smith Thurs.

The New York Paint and Varnish Production Club will hold its next regular meeting March 6 at 2 Park avenue, New York. Dinner will be served at 6:30 p.m. Guest speaker will be Francis G. Smith of Titanium Pigment Corporation. He will discuss "The Value of Rutile Pigments in Exterior Finishes."

Dewey & Almy Appoints

Charles E. Brookes has been appointed to the sales staff of the organic chemicals division of Dewey & Almy Chemical Company, Cambridge, Mass. The company announced that his appointment was part of an expanded program for the production and sales of high styrene copolymer latices and resins, polyvinyl acetate emulsions, plasticizers and dispersing agents. Mr. Brookes previously sold rubber plasticizers and related products for Sun Oil Company.

Paint Clubs Meet March 10

Elmer G. H. Youngmann, assistant district engineer of the New York State Department of Public Works, will be guest speaker at the annual joint meeting of the Buffalo Paint, Varnish & Lacquer Association and the Western New York Paint & Varnish Production Club in Sheraton hotel, Buffalo, March 10.

Werner G. Smith Names Agent

Cole & DeGraf has been appointed sales representatives for Werner G. Smith, Inc., Cleveland, Ohio. Cole DeGraf will handle the sales of Werner G. Smith's tung oil, oiticica oil, and sperm oil in the San Francisco, Calif., area.

Chemical Wage-Hour

—*Continued from page 5*

to 75 cents an hour from 40 cents, the divisions found that a sizeable minority of establishments—5 percent of those investigated—had failed to observe this requirement when paying some of their employees," Mr. McComb noted. Overtime pay violations were found in 38 percent of the investigated concerns, while noncompliance with child-labor provisions amounted to 2 percent.

The amended act, which went into effect January 25, 1950, continues to require the payment of at least time and one-half the employee's regular rate of pay for all hours worked in excess of forty in the workweek, except where it specifically provides otherwise. What the amendments did, the administrator said, was to define the regular rate to include all remuneration for employment except certain specified payments.

Child-labor requirements set a minimum of sixteen for most jobs with eighteen as the minimum for occupations designated as hazardous by the Secretary of Labor. Employment of boys and girls of fourteen and fifteen years of age is permitted in a few types of jobs—such as office and sales work—under strict limitations on hours and working conditions.

To assist the chemical industry in attaining full compliance, Mr. McComb invites any employer who has questions about the federal wage and hour law to inquire at any of the divisions' regional offices, which are located in Boston, New York, Philadelphia, Birmingham, Cleveland, Chicago, Kansas City, Dallas, San Francisco, and Nashville.

UNUSUAL
PAINT PROBLEMS
SOLVED *Economically*
—Highest Quality Alkyd Resins
Always *Alkydol!*
ALKYDOL LABORATORIES, INC.
3240 South 50th Ave. • Cicero 50, Illinois

MADE BY NEW PATENTED PROCESS
aconitic acid
$H_3C_6H_3O_6$
• TRIBASIC
• UNSATURATED
• HIGH PURITY
• WHITE, CRYSTALLINE
FOR PREPARATION OF
• WETTING AGENTS
• SYNTHETICS
• ESTERS
• RESINS
THE FLAME AND THE FLASK SYMBOL OF QUALITY
WRITE FOR SAMPLES, DATA, ETC.
The C. P. Hall Co.
CHEMICAL MANUFACTURERS
5149 W. 67th Street, Chicago 38, Illinois
AKRON, OHIO • CHICAGO, ILL. • NEWARK, N. J. • LOS ANGELES, CAL.

Metallic Stearates and Vinyl Heat Stabilizers For Custom Jobs
Thirty years of Know-How
Let our Research Staff assist you in your problems.
Our new plant has doubled our production facilities. We invite your inquiries.
SYNTHETIC PRODUCTS CO.
1636 Wayside Road SINCE 1917 CLeveland 12, Ohio

FOR SALE
ZINC OXIDE
with fineness of 99+% very pale yellow metallic impurities less than 0.1%. Priced below market. Carload or L.C.L. lots. Packing 50 lbs. multi wall bags or fibre drums.
ESMOND CHEMICAL CO.
DIVISION OF GENERAL PRODUCTS CO., INC.
ESMOND, RHODE ISLAND

ELK BRAND
ANTIMONY OXIDE
99%+ Sb_2O_3
Meeting Specifications
TT-A-566
AN-TT-A-566
Mined and Smelted at Stibnite, Idaho
by
BRADLEY MINING CO.
★ ★ ★ ★ ★ ★
EXCLUSIVE NATIONAL SALES AGENTS
WILLIAM C. LOUGHLIN & CO.
311 California Street
San Francisco, Calif.
Warehouse Stocks at Strategic Points

POLYETHYLENE DRUM LINERS
CANTON CONTAINERS, Inc.
1101 NINTH ST. S. E. • CANTON, OHIO
Case Liners and Bags of All Sizes

FUMARIC acid
Produced by BZURA, INC.
Sole Selling Agent:
H. M. JOHNSON, Inc., 272 North Broad Street, Elizabeth 3, N. J.

TUNG OIL
OITICICA OIL

INTERNATIO ROTTERDAM, Inc.
61 BROADWAY, NEW YORK, N.Y. • Whitehall 3-3200
351 CALIFORNIA ST., SAN FRANCISCO • Yukon 6-6228

STEARIC ACID
OLEIC ACID
(RED OIL)
DISTILLED
FATTY ACIDS
ANIMAL AND VEGETABLE

WILSON & CO. INC.
WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

ALL PURE COMMERCIAL WAXES
including CARNAUBA — OURICURY — BEESWAX
also "SANDA" Synthetic Waxes
STROHMEYER & ARPE CO., 139 Franklin St., New York, N. Y.
Sole Agents in the United States and Canada for—
GENUINE "RIEBECK" MONTAN WAX
Spot stocks available in the U.S.A. and Canada
Our Canadian Representatives
DREW, BROWN LIMITED, 530 Mountain St., Montreal, Que. • 60 Clarkson Ave., Toronto, Ont.

SUN BLEACHED
Beehive Brand BEESWAX
• FINEST QUALITY
• GUARANTEED PURE
WILL & BAUMER CANDLE CO., INC.
Dept. E-3 Established 1855 Syracuse, N. Y.
Spermaceti Red Oil Glycerine
Ceresine Stearic Acid
WARRANTED PURE BEES WAX

LIGHT REFINED MONTAN WAX
DURMONT 500
This versatile new hard wax is completely free of "tack", has high melting point (190/195°F), fine gloss as well as oil and solvent binding power... Excellent for formulation of better polishes, carbon paper, leather dressings, lipsticks..Available promptly from our stocks..Priced below 50¢ per lb.
For free samples, write, phone or wire.
DURA COMMODITIES CORPORATION
20 Vesey Street, New York 7, N. Y. • COrtlandt 7-1894

RED OIL • STEARIC ACID
Saponfied— Distilled
HYDROGENATED FATTY ACIDS
(HYDREX)
Cottonseed Oil Fatty Acids
Corn Oil Fatty Acids
Tallow Fatty Acids
Specialty Fatty Acids
GLYCERINE PITCH
WHITE OLEINE
W. C. HARDESTY CO., INC.
HARDESTY PRODUCTS ARE INDUSTRY'S KEYSTONE
ESTABLISHED 1926
41 EAST 42nd STREET, NEW YORK 17, N. Y.
FACTORIES: DOVER, OHIO TORONTO, CANADA

Oils, Fats and Waxes

Trend of the oils and fats market continued downward last week. Quiet demand and selling pressure weakened prices of practically the entire list. Trading was irregular, lacked volume and was confined to nearby requirements. Price index declined 2.3 points.

Lower soybeans and oil created a weaker tone in competing oils and cottonseed, corn and rice bran oils also declined fractionally. A light demand was reported for refined grades while interest in crude was slow, except peanut for spot delivery, which was firmer due to short covering, while forward shipments were off slightly.

Coconut and babassu oils dropped 1 cent per pound, due to the sharp break in copra, which declined $17.50 per ton.

Tallow and greases were easier due to selling pressure and off fractionally. Large users absorbed moderate quantities of tallow at the lower levels. Animal oils also were unsettled by lower tallow, and could have been shaded for sizable quantities.

Linseed oil was easier and reduced ½ cent per pound. Trading was confined to small quantities and sales of round lots were reported at price concessions. Flaxseed was irregular, fluctuating sharply and closing steady. Buying interest in other drying oils slackened and tung oil was easier. Oiticica oil was unchanged but inactive. Refined fish oils continued quiet and weak. Dehydrated castor oil also was in slow demand and quotably unchanged.

Carnauba wax continued easy and quotations were off at least 1 cent per pound. Consumers continued to purchase in a hand-to-mouth manner. Crude beeswax was lower, but refined grades were without change. Ouricury declined 3 cents per pound on spot, reflecting the easiness in carnauba.

Cottonseed Oil

Trading was active in bleachable cottonseed oil futures last week. Market was under considerable pressure early, declining sharply with allied markets. Early losses were regained following the stoppage of 197 tenders on March contracts by trade and southern interests. Trade interests also supported the nearby delivery and were reported seeking additional March tenders. Consuming demand was inactive and other vegetable oils scored fractional decline.

Consumption of refined cottonseed oil in January totaled 2,134 tankcars, compared with 1,954, January last year. Visible supply was estimated at 16,050 tankcars end of January against 8,795, a year ago.

Crude oil was irregular and off ¼c. per pound. Light sales took place at 12c. per pound, tankcars, f.o.b. mills and quoted nominally at 11¾c., Texas.

The sale of 279 tankcars of crude cottonseed oil by the government to refiners in Texas and Louisiana was not considered a market factor because the crude was sold to be refined and was to be re-purchased by the government at a higher price covering refining costs. This transaction was a part of the program announced at the beginning of the season and was not considered a sale of government held oil.

Sales and prices of prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended February 29 follow:—

	Sales	Cents per pound High	Low	Close
March	423	14.67	14.03	14.43@14.50
May	855	15.08	14.51	14.76S
July	933	15.19	14.72	15.02S
September	585	15.30	14.76	15.14S
October	174	15.07	14.61	15.02S
December	36	15.14	14.75	15.02@15.10
March	2	15.15	15.15	15.05S

Total sales, 3,008 tankcars.

Memphis.—Crude cottonseed oil quoted at 12c. per pound, and crude soybean oil at 10½c. per pound, tankcars, f.o.b. mills. Business light. Cottonseed and soybean meals in demand at ceilings. Trading quiet. Selling pressure limited.

Linseed Oil

Lower flaxseed, combined with quiet demand, weakened the oil market and quotations were reduced ½c. per pound. Raw oil was quoted at 18c. per pound, tankcars, zone 3. March-June delivery.

Consumers continued to absorb moderate quantities of oil against former contracts. New business was light and sales of round lot quantities were reported at price concessions for forward delivery.

Minneapolis.—Crushers reduced the asking price of raw linseed oil ½c. per pound last week as new business was stagnant and cash flaxseed costs reached a low point on the current decline (which started Dec. 11). Raw oil, in tankcars, zone 1, was quoted at 17.3c. per pound. There was no feature to the market except that oil was being ordered out against old contracts at a fairly good rate.

Shipments of linseed oil, in pounds, were as follows:—

	1951-52	1950-51
Past week	9,540,000	11,040,000
Since Sept. 1	205,140,000	245,300,000

Flaxseed—Market was weak, declining sharply. Trading was quiet at the lower levels.

Minneapolis.—Cash flaxseed prices reached the lowest point in several months here last week as No. 1 seed sold as low as $4.10 a bushel, delivered Minneapolis. Very little flaxseed was offered on the decline, however, and buyers were able to pickup only few cars and trucklots. Purchases of seed in the spot market totaled only 14 cars and 1,500 bushels in trucklots. On a to-arrive basis, sales totaled only 6 cars and 7,000 bushels in trucklots. The week's top price was around $4.22 per bushel. Actual receipts of seed for the week totaled 105 cars as compared with 225 cars in the preceding week and 107 cars a year ago.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts 1951-52	Receipts 1950-51	Shipments 1951-52	Shipments 1950-51
Past week	178,500	212,500	76,500	110,500
Since Sept. 1	18,354,300	21,181,800	3,721,800	3,390,600

Other Vegetable Oils

Babassu—Prices were easier, dropping 1c. per pound, with the lower coconut oil. Tankcars were quoted at 12½c. per pound, New York basis.

Castor Dehydrated—Trading was confined to prompt requirements. Prices were without change.

Coconut—Crude was sharply lower, selling down to 8½c. per pound, tankcars, f.o.b. Pacific coast, off 1c. per pound. Tankcars were quoted at 9¾c., New York basis.

Copra—Market declined drastically, dropping $17.50 per ton. Shipments were quoted nominally at $125 per short ton, c.i.f. Pacific coast.

Corn—This market was easier with competing oils, declining ¼c. Crude oil trading was light at 13c. per pound, tankcars, f.o.b. mills. Refined oil was lower at 16c. per pound, tankcars, New York basis

Cottonseed Refined—Prices were lower with crude and off ½c. per pound. Business continued spotty. Tankcars were quoted at 15½c. per pound, New York delivery.

Oiticica—Consuming inquiry slackened. Business was slow. Refined oil was quoted at 27c. to 27½c. per pound, tankcars, New York, according to delivery and seller. Drums were unchanged at 28c. to 28½c. per pound, as to quantity.

Olive—There was no improvement in the quiet demand. Edible oil was unsettled ranging from $2.20 to $2.30 per gallon, drums, duty paid, spot delivery. Olive foots continued inactive and nominal at 16½c. to 17c. per pound, drums, spot, depending upon quantity.

Palm—Quiet demand was noted for spot and forward delivery. Spot stocks were unchanged at 16c. per pound, drums. Shipments were quoted at 14½c. per pound, tankcars, New York, March delivery.

Peanut—Business was slow. Crude oil was firmer for spot delivery and was sold at 15¼c., due to short covering. Prompt shipment was quoted at 14¾c. per pound, tankcars, f.o.b. mills, and 14½c. for futures. The government released peanuts for 58 tankcars of oil last week. Refined oil declined to 17¼c. per pound, tankcars, New York.

Rapeseed—Buying interest was slow. Refined oil was nominal at 22c. per pound, tankcars, New York.

Soybean—Lower beans weakened the

Market Trends

Prices Advanced

Peanut oil, crude, ¼c. per lb.

Prices Reduced

Babassu oil, 1c. per lb.
Beeswax, African, crude, 1c. per lb.
Carnauba wax, N. C., No. 3, crude, 1c. per lb.
Yellow, No. 1, 1c. per lb.
No. 2, 1c. per lb.
Coconut oil, 1c. per lb.
Copra, $17.50 per ton.
Corn oil, ¼c. per lb.
Cottonseed oil, ¼c. per lb.
Greases, ¼c. per lb.
Lard, ½c. per lb.
Linseed oil, ½c. per lb.
Rice bran oil, 1c. per lb.
Soybean oil, ½c. per lb.
Tallow, ¼c. per lb.
Tung oil, ¼c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Mar. 2, 1951
141.2	143.5	145.7	117.3	227.0

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

market and prices dropped about ½c. per pound. Trading was light and restricted to nearby delivery. Crude oil was quoted at 10⅜c. per pound, tankcars, f.o.b. mills, February-March delivery; 10½c., May-June, and 10⅝c., July-August. Refined oil was lower at 13¼c. per pound, tankcars, New York delivery.

Consumption of crude soybean oil in January was indicated at 3,345 tankcars, against 3,785, January, last year. Visible supply was estimated at 12,391 tankcars, end of January, compared with 14,992 a year ago.

Sales and prices of prime crude soybean (Contract "W") on the N. Y. Produce Exchange in tankcars (60,000) pounds for the week ended February 29 follow:—

	Sales	Cents per pound High	Low	Close
March	72	10.95	10.15	10.40@10.50
May	72	11.10	10.25	10.63@10.65
July	41	11.15	10.45	10.75@10.80
September	29	11.40	10.51	10.86@10.94
October	17	11.30	10.60	10.87@10.95
December	4	11.15	10.58	10.89@10.95

Total sales, 235 contracts.

Tung—Buying interest has dried up and tone was unsettled. Prices were easier at 41½c. per pound, tankcars, New York prompt delivery. Domestic was scarce and nominal, with trading reported at 40½c. per pound, f.o.b. mills, for spot. Oil in drums ranged from 43c. to 43½c. per pound, depending upon quantity Imports totaled 390 tons and 123 drums at New York from the Argentine last week.

Fats and Greases

Greases—Business was inactive and market was unsettled by the decline of ½c. in tallow. Offerings were liberal with little buying interest. Prices were off ⅛c. Choice white was quoted at 5⅞c. per pound, tankcars, delivered; yellow, 4⅞c.; house, 4½c., and brown, 4c., same basis.

Lard—Trading was slow. Prices were lower reaching new lows. Cash lard was nominal at 11.75c. per pound, tierces, Chicago.

Tallow—Increased offerings weakened this market and moderate trading took place at a decline of ½c. Fancy was sold at 6c. and extra, 5¾c. per pound, tankcars, delivered. Special was quoted at 5½c. and No. 1, 5c., same basis.

Fish Oils

Refined Fish—Refined grades continued inactive and the market was weak. Prices were without change, but could have been shaded on carlot transactions. Light pressed was offered at 13.70c. per pound, and alkali refined at 14.70c. per pound, tankcars, New York. Crude menhaden oil was quiet and nominal at 8c. per pound, tankcars, Baltimore.

Los Angeles.—As in weeks past, no sardine or tuna oil offerings were available last week. Demand has been poor for Alaska herring oil with supply reported fair to moderate. Last sales were at the 9¼c. per pound level. A weak market continued for Canadian herring oil with crude stocks readily available with offerings at 9½c. per pound, duty and tax paid U. S. funds, f.o.b. Vancouver, B. C. This price compares to trading at 19c. per pound one year ago.

Cake and Meal

Cottonseed Meal—OPS issued revision 2 to Supplementary Regulation 31 to GCPR to alleviate loca' shortage of supplies of cottonseed meal, hulls, slab and sized cake and pellets. Under the revised regulation, effective March 3, processors, distributors and other sellers of cottonseed products who bring in feed from surplus areas are permitted to add base period transportation costs and their customary margins to prices they pay sup-

CARNAUBA & CANDELILLA
HIGH M.P. SUBSTITUTE
BEES & JAPAN WAX
ORANGE BLEACHED SHELLAC
WM. DIEHL & CO.
332 W. 42nd St. N. Y. 18 BR 9-5211

MUTCHLER
PRIME SOURCE
SPERMACETI WAX
USP
ATTRACTIVELY PRICED
Other fine and heavy chemicals, gums, waxes, essential oils, solvents, pigments, etc.
MUTCHLER CHEMICAL CO., INC.
258 BROADWAY NEW YORK 7, N. Y.
Digby 9-4735 Cable: MUTCHCHEM

TALLOIL
Phone: KI 3-4620 Cables: TALLOIL
RIMCO TRADING CORP.
NEW YORK 63

W&S WURSTER & SANGER INC
Continuous Fatty Acid Still •
With Dowtherm Heated Bubble Tray. All the heat applied to a thin layer of liquid under vacuum. Instrument control of critical process variables. 10 Important Features. Finer Product Obtained.
Consult Us On Your Engineering Problems
WURSTER & SANGER, INC.
1339 E. 52nd Street, Chicago, Ill.

GERSTHOFEN WAXES
(FORMER I. G. WAXES)
For Self-Polishing Floor Wax
Paste Wax
Carbon Paper
All Other Applications
LOW PRICES — HIGH QUALITY
Always uniform Chemical Properties—No adulterations
CONTINUOUS DELIVERIES ASSURED
Sole importers and distributors for U.S.A. and Canada
WAX & ROSIN PRODUCTS
42 BROADWAY NEW YORK 4, N. Y.
DIRECT IMPORTERS
Carnauba • Ouricury • Montan • Beeswax • Candelilla
Crude and Refined

GEORGE A. MIEL CO., INC.
Custom Wax Blending
Drumming Bleaching WAXES Barrelling Refining
P. O. Box 263, Foot of Page Ave., Lyndhurst, N. J.
RUtherford 2-7985

PALM SOAP
41-42° Titre
Full Glycerine Content
PROMPT DELIVERY
WRITE
GENERAL BIOCHEMICALS, INC.
53 LABORATORY PARK • CHAGRIN FALLS OHIO

For Domestic and Export
COTTONSEED MEAL AND CAKE
PEANUT MEAL-SOYABEAN MEAL
Export Codes: ABC 5th, BENTLEY'S JUNIOR PEERLESS
Cable Address: BRODE
Phones: L. D. 271 — L. D. 547
Teletype No. ME-260
THE BRODE CORPORATION
P. O. Box 700 1012 Falls Building
MEMPHIS, TENNESSEE

DISTILLED
COCONUT CORN-SOYA SOYA FATTY ACIDS CORN COTTON MIXED
Uniform Quality, For All Uses
Produced by
THE CAPITAL CITY PRODUCTS COMPANY, Columbus 16 Ohio

The unmatched quality and uniformity level distinguishing A. Gross' Soya Fatty Acids derived from soap-stock is the result of special technique and specially designed equipment.

Demands of alkyd resin and other manufacturers requiring a minimum of color and chemical change under the influence of heat reaction are easily met.

Send for samples and our booklet, "Fatty Acids in Modern Industry." You'll agree that our products live up to the promises made for them.

Write today for your samples and a copy of our booklet "Fatty Acids in Modern Industry."

A. GROSS & COMPANY
295 MADISON AVENUE, NEW YORK 17, N. Y.
FACTORY: NEWARK, N. J.
MANUFACTURERS SINCE 1837

Consulting Chemists and Engineers

ASSOCIATION OF CONSULTING CHEMISTS AND CHEMICAL ENGINEERS, INC.

50 East 41st Street, Room 82 — New York 17, N. Y. LExington 2-1130

A Clearing House — *For Consultants*

Reg. U. S. Pat. Office

When in need of a consultant address the Association
No charge for this service

The Membership Located from Coast to Coast Comprises Specialists in All Fields

R. S. ARIES & ASSOCIATES
Chemical Engineers & Economists
Commercial Chemical Development
Process Analysis • Market Research
Technical & Economic Surveys
New Product Development
Design and Initial Operation of Complete Chemical and Drug Plants
400 Madison Ave., New York 17, N. Y. ELdorado 5-1430

BJORKSTEN RESEARCH LABORATORIES
Sponsored Industrial Research
MADISON, WIS. 323 W. Gorham St.
CHICAGO, ILL. 13791 S. Avenue "O"
NEW YORK, N. Y. 50 E. 41st Street
HOUSTON, TEXAS 1011 Waugh Drive

RESEARCH AND PRODUCT DEVELOPMENT
Oils, coatings, detergents, plastics. Organic and drug analyses. Testing work.

COLBURN LABORATORIES, INC.
Research Chemists
732 S. Federal St. Chicago 5, Ill.

SPECTROGRAPHIC ANALYSES
Qualitative and Quantitative Since 1936
Micro and Semimicro analyses of metallies; conventional and metallurgical analyses metallography, metal failures investigated, heat treating consultants photomicrographs, Jominy Hardenability, physical tests.

W. B. COLEMAN & CO.
9th St. & Rising Sun Ave. Philadelphia 40, Pa.

DI CYAN & BROWN
Consulting Chemists
12 East 41st Street, New York 17, N. Y. MUrray Hill 5-0011
CONSULTANTS in DRUGS and COSMETICS
New Drugs; Product and Patent Development in Pharmaceuticals & Cosmetics; Label Preparation for Conformance to F.D.A. requirements etc

ESSELEN RESEARCH DIVISION
United States Testing Company, Inc. — Chemical Research and Development
857 Boylston Street, Boston 16, Mass.

EVANS RESEARCH & DEVELOPMENT CORPORATION
Chemical Research—Processes—Products — Pilot Plant — Optical and Mechanical Section
SEND FOR BOOKLET "O"
INSPECT OUR UNUSUAL FACILITIES
MU 3-0071
250 East 43rd St New York 17, N. Y.

EXPERIMENT INCORPORATED
Chemical Consulting Research and Development Model Shop Facilities
Write for Brochure
An Organization to Serve You
P. O. Box 1-TC Richmond 2, Va.

Fitelson Laboratories, Inc.
Consulting and Analytical Chemists
J. Fitelson, Ph.D., Director
Foods, Spices, Oils, Drugs, Cosmetics
Specialist on labeling, sanitation and chemical problems connected with F.D.A. procedures.
254 W. 31st Street, New York 1, N. Y. ORegon 5-8549

FOOD RESEARCH LABORATORIES, INC.
FOUNDED 1922
Philip B. Hawk, Ph.D., Pres. Bernard L. Oser, Ph.D., Dir.
RESEARCH—ANALYSES—CONSULTATION
Biological, Nutritional, Toxicological Studies for the Food, Drug and Allied Industries
48-14 33rd St., Long Island City, N. Y.

HUDSON LABORATORIES, Inc.
Consulting Chemists and Bacteriologists
Albert F. Guiteras, Ph.D., Director
Testing Analysis Formulation Research
BACTERIOLOGY CHEMISTRY TOXICOLOGY
Foods Drugs Cosmetics
Disinfectants Antiseptics Sanitizers
117 W. 13th Street, New York 11, N. Y. ALgonquin 5-6290

LAWALL & HARRISSON
CHEMICAL • BACTERIOLOGICAL PHARMACOLOGICAL
Analyses • Consultation Research
FOOD AND PHARMACEUTICAL PROCESS ENGINEERING
Div. O, 1921 Walnut Street, Philadelphia 3, Pa.

The BIGGEST MARKET for CONSULTATION SERVICES is among the readers of OIL, PAINT AND DRUG REPORTER
Tell them about yours

LEBERCO LABORATORIES
Hormone Assays — Biological Assays
Pharmaceutical and Cosmetic Research
Sterility Tests • Toxicity Studies
Send for information concerning our services
125 Hawthorne St., Roselle Park, N. J.

THE MINER LABORATORIES
Founded 1906
CHEMICAL CONSULTATION RESEARCH and ANALYSIS
Foods • Animal Feeds
Adhesives • Insecticides
By-product Utilization
Fats, Oils and Waxes
Paints and Varnishes
Synthetic Resins
Organic Synthesis
Court Testimony
9 S. Clinton St. Chicago 6, Ill.

MOLNAR LABORATORIES
Consulting, Testing and Research
Specializing in Organic Synthesis, Hormone Assays, Clinical Studies, Product Development and Control, Toxicity and Dermatitis Tests and Disinfectant Testing and Formulation.
Member A. C. C. & C. E.
211 E. 19th St., New York 3, N. Y. GRamercy 5-1030
Cable Address: Molchem

THE ORTHMANN LABORATORIES, INC.
Consulting Analytical & Research Chemists
For the Leather & Allied Trades
Aug. C. Orthmann, President
922 NORTH FOURTH STREET
Milwaukee 3, Wisconsin

CHEMICAL CONSULTATION
RESEARCH • DEVELOPMENT

THE PANRAY CORP.
Research Division
340 Canal Street, New York 13
- Product & Process Development
- Sponsored Industrial Research
- Custom Organic Syntheses
- Chlorination Processes
- Chemical Therapeutics
- Microanalyses

Phone: WAlker 5-7990

W. S. PURDY COMPANY
Analytical & Consulting Chemists
TESTING OF PETROLEUM OILS WAXES AND RELATED PRODUCTS
Bayway Terminal Bldg.
c/o Charles Martin & Co.
Elizabeth, N. J.
Phone Elizabeth 3-3894

THE SCHEPP LABORATORIES
CHEMICAL RESEARCH AND DEVELOPMENT
Industrial—Agricultural—Biochemical
Wm. J. Schepp, F.A.I.C., Director
Member—A. C. C. & C. E.
21-23 Summit Ave. Fairlawn 6-1212
East Paterson, N. J.

SEIL, PUTT & RUSBY, INC.
Established 1921
Earl B. Putt, President
Alfred S. Moses, Vice-President
Stephen S. Voris, Ph.D., Chief Chemist
Experts in analyses of drugs, essential oils, spices, rotenone and pyrethrum and other organic insecticides, flavors, alcoholic liquors, toilet preparations, proprietaries and special formulae
16 E. 34th St., New York 16, N. Y.
Phone: MUrray Hill 3-6368

LOUIS L. SHAPIRO
CHEMICAL CONSULTANT
72 Orange Street, Brooklyn 2, N. Y. TRiangle 5-7715
SPECIALIST—Glycol Esters, Fats, Oils, Stearic Acid, Fatty Acids, Glycerine, Waxes, Emulsifiers, Protein, Fertilizers, Tallow, Rendering, Packing House By Products, Soaps, Cosmetics, Distillation, Dowtherm, Process Engineering, Testing, Research.

R. STECKLER LABORATORIES
8209 Harvard Ave. Cleveland 5, Ohio
- *Product Development, Evaluations*
- *Consultation and Research*
- *Market and Application Research*

Specializing in synthetic resins, coatings, high polymers, polymerization, adhesives, plastics, oils, varnishes, etc.

TODAY'S RESEARCH PAYS TOMORROW'S DIVIDENDS
Without capital investment, we act as your own research laboratory, or complement existing facilities. Send for our booklet applicable to your industry.

RESEARCH LABORATORIES Fred D. Stull INC.
CHEMISTS • ENGINEERS
29 WEST 15TH ST. NEW YORK 11, N.Y. WA. 4-8800

STILLWELL & GLADDING, INC.
130 Cedar Street, New York 6, N. Y.
Analysis Inspection Sampling
Chemicals, drugs, fats, fertilizer, insecticides, oils, soaps, solvents, etc.
For Over 80 Years

UNITED STATES TESTING COMPANY, INC.
1415 Park Ave. Hoboken, N. J. — 330 W. 42nd St. New York, N. Y.
TESTING — RESEARCH
Chemicals, Drugs, Foodstuffs, Paint, Varnish and Lacquer, Insecticides; Soaps and Detergents, Fats and Oils, Waxes, Cosmetics, Dyestuffs, Paper; Metals, Plastics, Textiles, Ceramics, Leather, Rubber, Cement
BRANCH LABORATORIES
Boston, Providence, Philadelphia, Memphis, Chicago, Dallas, Los Angeles, Denver
Established 1880

EMERSON VENABLE
CHEMIST AND ENGINEER
Originary Research
Trouble Shooting
As near as your phone. Call Hi-land 1-8045
6111 Fifth Avenue Pittsburgh 32, Pa.

TRUMAN B. WAYNE & ASSOCIATES
Chemical and Engineering Consultants
Process Development & Design
Commercial Chemical Development
Engineering & Economic Surveys
Design of Complete Processing Plants
"28 years in the Chemical Southwest"
Illustrated Brochure Available
1011 Waugh Drive Houston 6, Texas

ROGER WILLIAMS, INC.
- ENGINEERING ECONOMICS
- MARKET RESEARCH
- TECHNICAL WRITING
- TECHNICAL BOOKLETS

Write for "Profit Evolution"
148 East 38th Street, New York City 16
Murray Hill 5-6508

pliers when they buy f.o.b. suppliers place of business.

Oil mills are still asking the ceiling prices for all shipments, but demand has slowed down considerably. Most feed manufacturers and dealers are covered on their requirements and are not inclined to book too far ahead at ceiling prices.

Linseed Meal—Offerings were unavailable and production was absorbed against previous contracts. Market strong and nominal.

Minneapolis.—The tight linseed meal situation continued to prevail here even though there were increased offerings of cottonseed meal and mineralized soybean meal. No linseed meal tonnage was being offered and no trading took place. Entire production of crushers was still being applied against existing contracts. There was talk that one of the local crushers might start offering mineralized linseed meal on a similar basis as mineralized soybean meal. This would require OPS approval and, if approved, it was believed such linseed meal would sell around $20 a ton or so above current crusher ceilings. Jobbers continued to quote (nominally) extracted linseed meal at $66 per ton, bulk, in carlots, f.o.b., Minneapolis, and expeller meal at $53 a ton, bulk.

Shipments of linseed meal, in pounds, were as follows:—

	1951-52	1950-51
Past week	10,460,000	15,410,000
Since Sept. 1	303,460,000	504,480,000

Peanut Meal—For the last several weeks mills have been producing approximately 3,000 tons weekly in the southeast, and supply has become a little more plentiful. Price has dropped about $15 per ton from the high. Old process 45 percent was available at $85 per ton Georgia points and 45 percent solvent at $83 Alabama points, March shipment. Buyers are more inclined to book part of their requirements at the lower level.

Waxes

Beeswax—Lower crude unsettled the local market. Interest in replacements continued inactive and prices were lower for crude, while refined was unchanged. Crude African was quoted at 56c. to 58c. per pound. Brazilian was lower at 69c. to 70c. and Central American, 65c. to 67c. Demand for refined grades also was quiet.

Carnauba—Trading was slow and market continued easy. Consumers limited demand to small lots for actual needs. Inquiry was inactive for shipment from Brazil and quotations for replacements were above supplies on spot. No. 3, North country was lower at 89c. to 90c. per pound, while refined ranged from 94c. to 96c., spot as to quantity. No.1 yellow was easier and quoted at $1.14 to $1.16 per pound and No. 2 at $1.12 to $1.14 per pound.

Ouricury—Refined also developed an easier tone and declined to 85c. to 87c. per pound, spot as to quantity. Buying interest was quiet.

Hardesty Appoints Carlin

W. C. Hardesty Company, New York, has appointed William J. Carlin to its fatty acid sales staff. Mr. Carlin formerly worked for E. F. Drew & Co., New York. He will sell Hardesty's complete line of fatty acids in the middle Atlantic states.

Falk Appoints Two

W. Herbert Mattil has been appointed manager of specialty oil sales and Frederick E. Tropp has been named manager of technical sales of Falk & Co., Pittsburgh. Both men have been with Falk as technical service representatives.

Imports at U.S. Ports

—Continued from page 59

MOLASSES—728,595 kilos, Pacific Molasses Co, Topolobampo

PEPPER, WHITE—42 dbl bgs, B C Ireland, Singapore

QUEBRACHO EXTRACT—4,799 bgs, The River Plate Import & Export Corp, Buenos Aires

SODIUM PERBORATE—800 bgs, to order, Naples

UREA—4,000 bgs, to order, Genoa
1,000 bgs, C M C Chemicals Inc, Manchester

Norfolk

PEATMOSS—500 bls, Atkins & Durbrow, Bremen

New Orleans

SHELLAC—200 bgs, H C Smith Co, Calcutta

Philadelphia

BERYL ORE—9 tons, Foote Mineral Corp, Walvis Bay

BONEMEAL—23,740 bgs, Corn Exchange Bank, Antwerp
2,200 bgs, Messina
2,204 bgs, Rouen

CARAWAY SEED—50 bgs, R J Spitz, Rotterdam

CASTOR OIL—300 tons, Bank of California, Fortaleza
111 tons, Phila National Bank, Fortaleza

FISHMEAL—902 bgs, Talcahuano

FUEL OIL—104,412 bbls, Esso Export Corp, Aruba
86,506 bbls, Cities Service Oil Co, Tampico

GLUESTOCK—188 bls, Chemical Bank & Trust Co, Messina

GYPSUM—6,074 tons, U S Gypsum Co, Hantsport

KARFAMEAL—12,300 bgs, Woodward & Dickerson, Rotterdam

LEATHERMEAL—1,000 bgs, Rotterdam

LEPODITE ORE—1,133 tons, Girard Trust Co, Walvis Bay

MANGANESE ORE—6,850 tons, Takoradi

MILK POWER—600 bgs, Rotterdam

PALM OIL—201 tons, Belawan

PEATMOSS—680 bls, Rotterdam
4,350 bls, Bremen

PETROLEUM, CRUDE—115,000 bbls, The Texas Co, Puerto la Cruz
193,794 bbls, The Texas Co, Sidon
121,896 bbls, Socony Vacuum Oil Co, Covenas
117,903 bbls, Socony Vacuum Oil Co, Puerto la Cruz
553,697 bbls, Gulf Oil Co, Las Piedras
391,209 bbls, Gulf Oil Co, Mena al Ahmadi
186,317 bbls, Gulf Oil Co, Puerto la Cruz
338,000 bbls, Atlantic Refining Co, Puerto la Cruz
129,970 bbls, Atlantic Refining Co, Pamatacual

SODIUM NITRATE—2,755 tons, Guaranty Trust Co, Tocopilla

TAPIOCA FLOUR—6,500 bgs, Itajai

VANILLA BEANS—13 cs, Girard Trust Co, Havre

WHITING—1,200 bgs, Antwerp

San Francisco

CLOVES—196 bls, Mincing Trading Corp, Singapore

FISH LIVER OIL—60 dms, Consumers Import Co, Yokohama
2 dms, Vitamins Inc, Yokohama
100 dms, International Fisheries Corp, Yokohama
150 dms, Nopco Chemical Co, Yokohama

FISHMEAL—205 tons, Buenos Aires

NUTMEGS—250 bgs, Barclays Bank, Port of Spain

PAPRIKA—300 bgs, Joensson & Cross, Trieste

PEPPER, BLACK—240 bgs, Mincing Trading Corp, Cochin
80 bgs, B C Ireland, Alleppey

PETROLEUM, CRUDE—14,294 tons, Standard Oil Co, Miri

QUEBRACHO EXTRACT—500 bgs, International Products Corp, Buenos Aires
224 bgs, Bankers Trust Co, Buenos Aires
306 bgs, Manufacturers Trust Co, Buenos Aires

SAGE LEAVES—600 bls, Joensson & Cross, Trieste

SESAMESEED—50 bgs, W R Grace & Co, Corinto
30 bgs, B C Ireland, Corinto
100 bgs, Lastreto Phillips, Corinto

MEAL—1,127 bgs, La Union

SHELLAC—50 bgs, Calcutta

SOYBEAN MEAL—15,297 bgs, Balfour Guthrie, Yokohama

BUYING WORRIES GO UP IN SMOKE...

. . . When you buy from "CONSOLIDATED"

Thirty-five years of Dependability

5—9,800 Gal. Horizontal Stainless Steel Storage Tanks #304 S/S lined, now equipped for mixing and also jacketed for steam or for cooling.

MIXERS

1—Howes 3,000# Dry Powder Mixer, double ribbon.
1—Gedge Gray 2,000# double ribbon.
1—J. H. Day, size F1250#; 1—J. H. Day size D10, 1,250#; 1—Munson Rotary 1,000# batch.
4—Baker Perkins, jack. Mixers, 3,000 gal., size 30, type X.
1—BP 100 gal. jack. Mixer, heated blades.
1—Patterson 110 gal. S.S. Vac. Kneadmaster, jack.
1—Baker Perkins, size 8, 5 gallon jacketed Laboratory Vacuum Mixer with Reduction Drive and 5 HP, AC motor.
4—AMF "Glen" Mixers, 340 qt., 160 qt. and 120 qt., with S/S bowls & beaters, m.d.
1—McClellan 30" dia. copper lined, 400#.

JACKETED KETTLES

1—1,000 gal. Stainless Steel, jacketed & agit.
45—Aluminum & Stainless Steel 200 gal. to 20 gal.
1—10' dia. x 4' Bartlett and Snow 1800 gallon, with agitator, 9/16" plate, 80 lbs.
3—1200 gal. Steel Steam Jacketed Kettles, closed, with supports.
5—Dopp kettles, 100, 150, 350 and 600 gallon.
2—Steel jack. agitated, 400 and 600 gal.
1—500 gal. open, agitated.
2—Lee 200 gal. S/S, 125#; 1—300 gal. S/S.
4—Burkhardt copper, 275 gal.
2—100 gal. and 3—150 gal. Dopp C.I. dbl. motion, agitated.

FILTERS & FILTER PRESSES

1—Shriver, iron, steam heated, 30" x 30", 30 chambers.
4—Shriver & Johnson 30 x 30 iron plate and frame, 35-40 chambers each.
1—8' x 12' Oliver Lead-Wood Vacuum Filter, Acid-Resisting.
3—Oliver Vacuum Filters, incl. 8 x 12' 11'6 x 14' 11'6 x 18'.
2—ALUMINUM Sperry FILTER PRESSES: 1—30" x 30" 45 chambers, 1—24" x 24" Plate and Frame, 24 chambers.
1—#12 Sweetland Filter, 36 leaves on 4" centers
1—Kilby 39x39 CI Filter Press, open delivery.
1—#5 Sweetland, Stainless Steel Lined, with 30 stainless steel leaves, on 2" centers.

STAINLESS STEEL CENTRIFUGALS

2—42" All Stainless Steel Centrifugals, Amer. T&M Co. with S/S basket, curb, casing, shaft, unloader, and 40 H.P variable speed Slip Ring 3/60/440 V 1200 RPM motors with full controls. Suspended bottom discharge type. Now at Newark.

DRYERS

1—3' x 26' MONEL shell, Hot Air Dryer, saw tooth flights, steam coils, etc.
1—5'6" x 24' Direct Heat Rotary Dryer or Rotary Kiln, welded shell.
1—7' x 70' Louisville Type L, Indirect-Direct Heat Rotary Dryer.
1—Devine #7 Vacuum Shelf Dryer, 13 shelves 40 x 43.
2—Buflovak Double Drum Dryers 32" x 90" complete with stainless steel accessories.
4—Buflovac 5' x 12' double drum Dryers.
1—Devine Rotary Vacuum Dryer, 2' x 8' also 5' x 25'.
2—Buflovak Vacuum Drum Dryers, 5' x 10' with all accessories.
1—6' x 50' Louisville welded shell Rotary Steam Tube Dryer with two rows, 54 tubes. Also two 6' x 27' Davenport same type.
3—J. P. Devine Double Door Vacuum Shelf Dryers; each equipped with 20 heated welded shelves 59" x 78", pumps and condensers.
1—F. J. Stokes 14 shelf, 44" x 44" Vacuum Shelf Dryer with vacuum pump and condenser, etc.
2—5' x 40' Ruggles-Coles Direct Heat Rotary Dryers.

EVAPORATORS

1—Swenson triple effect Evaporator, horizontal copper tubes, total 1320 sq. ft. H.S. Now installed and complete with supporting steel, condenser, pumps, piping, etc.
Also used as Finishing Pan—
1—Swenson single effect Evaporator, copper tubes, 440 sq. ft. H.S. with supporting steel condenser, pumps, piping, etc.

MISCELLANEOUS

350 Stainless Steel Dryer Trays, 34" x 34" x 1½" deep.
1—Capem SIF Capper, cap feeder, m.d.
2—All STAINLESS STEEL No. 71 Day "ROBALL" Sifters, 40" x 84"
4—Swenson-Walker, jacketed, Crystallizers.
1—Unused 4' x 8' KENNEDY BALL MILL, iron lined.
1—6" x 15" Sturtevant Jaw Crusher to ½".
1—24" x 15" Set Sturtevant Crushing Rolls, balanced type.
1—5-Roll Raymond High Side Pulverizer.
1—Stokes DD2 Rotary Tablet Machine, Reeves drive and motors, max. tablet 1 3/16".
1—Stokes R single punch tablet machine, M.D.
2—P. O. Abbe porcelain Pebble Mills, 1—100 gal., 1—250 gal.
3—Mikro Pulverizers, 2TH, 2S1, 4TH.
10—Trane 24" x 48" double coil heater units, copper, with eight exhausters, each with 5 HP motors.
1—Stokes R single punch, maximum tablet 2½" m.d.
1—Fitzpatrick s/s Model 1,600 reversible Comminutor, 7½ HP AC motor.

Only a partial list — Send us your inquiries — Cash waiting for your idle machinery.

FOR WELL OVER A QUARTER CENTURY A SYMBOL OF CONFIDENCE

OUR 35th YEAR

The Oldest and Largest Dealer in Rebuilt Chemical Machinery

CONSOLIDATED PRODUCTS CO. INC.

13-18 PARK ROW N.Y. 38 N.Y. BArclay 7-0600 Cable Address EQUIPMENT

VALUES—"BUY" BRILL

1—STRUTHERS WELLS 3,000 GAL. TYPE 347 S.S. REACTOR.
7—GROEN 150, 125 GAL. S.S. JACKETED AGITATED KETTLES.
1—ROGERS 16' DIA. SPRAY DRYER, COMPLETE.
2—OLIVER 8'x10' MONEL ROTARY VACUUM FILTERS.
2—#7 SWEETLAND FILTERS WITH 27 LEAVES ON 3" CENTERS.
2—SHRIVER #3A RUBBER-LINED DIAPHRAGM PUMPS, 70 GPM.
5—SHRIVER 24" AND 18" C.I. RECESSED FILTER PRESSES, 30 CHAMBERS.
1—INDEPENDENT 36" WOOD P&F FILTER PRESS, 28 CHAMBERS.
1—RAYMOND 3 ROLL HIGH SIDE MILL, OIL JOURNALS, WHIZZER SEPARATOR, FAN, CYCLONE, PIPING, DRIVE, ETC.
1—FITZPATRICK MODEL D COMMINUTER, 7½ HP.
1—LINK BELT MONEL 2'7"x8' ROTO-LOUVRE DRYER.
10—PATTERSON, ABBE PEBBLE MILLS, 6'x10', 6'x8', 4'6"x3'6", 3'x4', 3'x3'6".
2—ROTEX, ROBINSON 40"x104", 40"x84" SINGLE DECK SIFTERS.
1—FLETCHER 40" SUSPENDED CENTRIFUGAL, STAINLESS PERFORATED BASKET.
1—BIRD 36"x50" CONTINUOUS CENTRIFUGE, STAINLESS STEEL.
1—TOLHURST 32" SUSPENDED CENTRIFUGAL, MONEL BASKET.
1—TOLHURST 48" CENTER SLUNG CENTRIFUGAL, STAINLESS BASKET.
1—ALLBRIGHT-NELL 60"x80" SINGLE DRUM FLAKER.
2—BUFLOVAK 32"x100" DOUBLE DRUM DRYERS, COMPLETE.
5—38" STAINLESS STEEL REVOLVING PANS.
6—2,000 AND 1,000 GAL. CLOSED, STEEL, JACKETED, AGITATED KETTLES.
12—BUCKET ELEVATORS, STEEL HOUSINGS, 34' TO 90' CENTERS, 8"x5" to 24"x8" BUCKETS.
2—DAY 100 AND 30 GAL. DOUBLE ARM JACKETED MIXERS.

1—SHRIVER 36" CELERON P&F FILTER PRESS, 50 CHAMBERS.
1—BAKER PERKINS TYPE JNM 100 GAL. DOUBLE ARM JACKETED MIXER.
1—LINK BELT 11'6" x 35' ROTO-LOUVRE DRYER.
3—BLAW-KNOX STAINLESS ROTARY VAC. DRYERS, 42"x8', 42"x10'.
1—FEINC 8'x12' STEEL ROTARY VACUUM SPRING FILTER.
2—BUFLOVAK VAC. SHELF DRYERS, 15 AND 20 SHELVES, 42"x42".
1—EIMCO 4'x4' ROTARY VACUUM FILTER WITH DRUMS, MOTORS, PUMPS, PIPING, ALL ON STEEL BASE.
2—RAYMOND 4-ROLL HIGH SIDE ROLLER MILLS, COMPLETE.

Partial List Only—Send For News Flash

BRILL EQUIPMENT COMPANY

2401 3rd Avenue New York 51, N. Y.

Telephone: CYpress 2-5703

REBUILT FOR NEW MACHINE ACCURACY

UNION

Rebuilt Machinery Established 1912

At Tremendous Savings

International Stainless Steel Straightline Vacuum Filler.
Resina S and LC Auto. Cappers.
New Way Wraparound Labeler.
Mikro 4TH, 3TH, 1SH Pulverizers; Jay Bee, Schutz O'Neill Mills.
Robinson #4, 600 lb. Stainless Steel Dry Powder Mixer with Stainless Steel Screw Elevator.
W. & P. type 3500 gal. Steam Jacketed, Double Arm Mixer.
Pony Mixers, 15 and 8 gals. caps.
Baker Perkins 200 gal. Unidor S. J. Double Arm Mixer.
Baker Perkins, BB, W. & P., JNM and Readco Heavy Duty 50, 100, 150 gallon cap. Double Arm, Steam Jacketed Mixers.
F. J. Stokes, J. H. Day, New Era, Hottman Mixers, from 2 to 450 gals., with and without Jackets, Single and Double Arm.
Robinson 100 up to 4,000 lbs. Dry Powder Mixers and Sifters.
Day 20" x 39" 3 Deck Sifter.
Allis Chalmers, Great Western V and B4 Sifters.
Huhn Steam Tubular and Gas-Fired Rotary Tubular Dryers.
Copper, Aluminum and S.S. Steam Jacketed Kettles, with or without Agitators.
Tri-Homo #6 S. S. Colloid Mill.
Kent Three Roll Roller Mills.
Houchin Aiken & N. E. Soap Mills.
S. & S. A & B Transwrap Fillers.
Triangle Package G2C, G2S and A6CA Elec-Tri-Pak Fillers.
Stokes and Smith G1 and G2 Auger Powder Fillers.
S. & S. HG88 Duplex Auger Filler.
Horix S. S. Rotary Filler.
Colton Auto. "0" Capsule Filler.
Colton Rotary Tablet Machine.
Stokes 2C Tube Filler and Closer.
Filler 4-head S. S. Piston Filler.
Ceco and Jones Auto. Cartoners.
Knapp No. 429 Carton Sealer.
Pony ML and MX Duplex Labelrites; Ermold, World Semi and Fully Automatic Labelers.
Alsop, Sweetland, Ertel Filters.
Package Machy. CA2, FAQ, FA2Q Wrappers.
Hayssen 3-7, Scandia and Miller Cellophane Auto. Wrappers.

THIS IS ONLY A PARTIAL LIST — OVER 5000 MACHINES IN STOCK

Tell Us All Your Machinery Requirements

UNION STANDARD EQUIPMENT CO.

318-322 Lafayette Street New York 12, N. Y.

FMC

FIRST MACHINERY LIQUIDATES COMPLETE PLANTS
BUY or RENT ENTIRE INSTALLATION or SINGLE UNITS!

EVAPORATORS

Long Tube Double Effect Copper Evaporator; 2,000 sq. ft. per effect, with condensing equipment complete.

Copper Triple Effect Calandria Evaporator; 2,800 sq. ft. per effect, with condensing equipment complete.

Copper Quadruple Effect Calandria Evaporator; 2,085 sq. ft. per effect, with condensing equipment complete.

Swenson Welded Steel Long Tube Evaporator consisting of 5 bodies; one to five effects may be used; heating surfaces from 3,000 sq. ft. to 5,029 sq. ft. each; structural steel supports and all operating accessories.

ACID BRICK LINED REACTORS

Acid tile lined steel autoclaves 6'10"x14' in the straight with cone tops and bottoms; ½" thick riveted steel shell designed for 100 PSI; approximately 3,375 gal.

VAC DRUM DRYERS

2 Buffalo Vac. Drum Dryers with bronze drums 5'x12', with copper contact parts.

1 J. P. Devine Dryer same as above but 5'x10'6".

1 Buffalo Atmospheric Drum Dryer with bronze drum 5'x12'.

2 Devine Atmospheric Dryers with bronze drums 5'x10'6".

CONDENSERS

2 C.H. Wheeler Horizontal Surface Condensers; one with Cast Iron Shell 54"x17'2" with copper tubes; approximately 4,000 sq. ft. of heat transfer surface; the other has Cast Iron shell, 42'x14'9" with Muntz Metal tubes; approximately 2,100 sq. ft. heating surface.

OTHER EQUIPMENT INCLUDED in this COMPLETE Plant

Large wooden Tanks; Filter Presses; Sifters; Baggers; Drag, Trough and Screw Conveyor; Bucket Elevators; Pumps and a large quantity of Brass and Copper Pipe, Fittings, Valves, etc.

COMPLETE MODERN 10 ACRE PLANT IN TEXAS
FULLY EQUIPPED FOR CHEMICALS, PHARMACEUTICALS OR FOODS

Seven buildings of steel, brick and transite, some 3 and 4 stories high, located on a 10-acre area. Good labor market, natural gas supply, ample water with water treating system, storage facilities and air conditioning.

2 Bird rubber covered Centrifugals.
Pfaudler 100 gal. Type XL Reactor.
15 Lightn'n Agitators.
Tanks in Stainless, Wood, Steel up to 20,000 gal.
Complete Pilot Plant Testing Laboratory.
2 Stainless Drum Dryers, 5'x10', complete.
2 Mikro Pulverizers.
Louisville Steam Tube Dryer.
Stainless Bucket Elevator.
Stainless Moyno Pumps.
Lab. Drum Dryer in Stainless and Rubber.

RESIN and CHEMICAL MANUFACTURING INSTALLATION
Consisting of

250 Gal. MONEL REACTOR, 38"x48", jacketed and agitated; XPL motor with S.S. 100 sq. ft. (Condenser).
200 Gal. STAINLESS Vacuum Receiver.
734 Gal. MONEL coil heated Tank, 5'x5'.
470 Gal. STAINLESS Jacketed and agitated Sulphonator.
95 Gal. STAINLESS Mixing Tank; agtd.
700 Gal. Lead Lined Mixing Tank; agtd.
15 Gal. Pfaudler Glass Lined Jacketed and agitated Reactor with Condenser and 15 Gal. G.L. Vacuum Receiver.

Complete with Interconnecting Piping, Valves, Controls, Instruments, etc.

FOOD CANNING PLANT

6—Food Machinery Corp. M.&S. Fillers; 10 Pocket-stainless steel, complete.
4—Langsenkamp Model EZ-Adjust, Stainless Pulpers or Finishers.
1—Reitz Stainless Steel #18 Disintegrator, complete with 30 HP. motor.
4—Urschel Model B and Sterling Dicers.
6—Sterling 50 lb. Carborundum Peelers.
2—Boutell S.S. Apple Slicers.
1—Biro S.S. Meat Saw with 1½ HP motor.
1—Chisholm Ryder Relish Cutter.
3—Chisholm Ryder Model B. Juice Extractors.
3—Standard Knapp Wrap Around Labelers.
4—Standard Knapp Casers, Case Printers.
1—Hartford Empire Can-Glass Unscrambler.
6—Anderson Barngrover Can Washers.
1—Fergusen Aut. Case Gluer and Sealer.
Stainless Steel Jacketed Kettles and Tanks.

COMPLETE PLANTS AVAILABLE IMMEDIATELY
for processing:

Chemicals
Pharmaceuticals
Paints—Inks
Plastic Moulding
Brewery—Winery
Distillation
Soaps—Detergents
Paper and Pulp
Fish Packing
Oil Extraction
Tomato—Catsup
and many others

TEXTILE PLASTIC COATING

3 Roll Calendar; 24"x54".
American Style Coating Mill 63".
English Style Coating Mill.
Embossing Roll; 10"x60".
Rewinders up to 60".
3 Roll Mills; 8"x24" and 12"x30".
Steam Heated Drums; 60"x57" and 86"x65".
Textile Dipping Installation.
Miscellaneous; Embossing Presses, Scallopers, Mixers, Dusting Box, etc.

OUTSTANDING SELECTIONS from NEW YORK'S LARGEST STOCK

Heavy duty Jacketed Mixers of the Baker-Perkins, W. & P. type; double arm; geared both ends; sizes up to 150 gal. now in stock.

Dough Mixers for lighter duty also available; from 1 bbl. to 6 bbls. with single or double arm construction, paddle or bar agitation if desired; state needs.

Pebble and Ball Mills, lined or unlined; by Abbe, International, and other standard makers; sizes up to 1600 gal. with motors.

Two DOPP Cast Iron 650 gal. full jacketed Mixing Reactors; closed manhole tops; geared agitators; 80"x67".

Rotary Vacuum Filters; Bird-Young 4'x2' and 4'x4'; Oliver Continuous rotary vacuum filter, nickelled 6'x3'; others.

Bird Continuous Centrifugal Filters, 36"x50", all contact parts are steel rubber covered, complete.

4 Stainless Steel Reactors from 80 gal. to 500 gal., some are jacketed and agitated; send for specifications.

Buflovac 20 Shelf Vacuum Chamber Dryer; shelves are 40"x44", complete with receiver, condenser, vacuum pump.

Stokes and Colton Tablet Machines, both rotary and single punch types; state requirements.

Sweetland No. 12 Stainless Steel Filters with 72 leaves on 2" centers complete; others available from No. 2 up.

3 Shriver 36" Rubber Covered Filter Presses; closed delivery. Other Shriver and Sperry Presses from 12" to 42"; all metals.

Dry Powder Mixers by J. H. Day and other makers of ribbon type units; sizes in stock up to 3,000 lbs. Sifters available, too.

Big stock on hand of powerful Hammer Mills by Mikro, Robinson, Williams, Raymond, Jay Bee, American, etc., from 3 HP to 150 HP.

SPECIAL: Lancaster Model EAG4 Muller type Mixer, complete with hood, elevator loader and other accessories.

2 Tolhurst 40" Suspended type Centrifugal Extractors with Everdur baskets, 2 speed motors; Explosion proof; bottom unloader.

1 Tolhurst 24" Centrifugal Extractor, with bottom unloader; 2 speed XPL motor.

Swenson Continuous Jacketed Crystallizers; 10' and 12' sections; complete set up.

2 Steel Fractionating Towers, 24"x51', packed with Raschig rings.

EQUIPMENT RENTED—TOO!

For Pilot Plants, Experimental Runs, and limited production, consider the F M C Rental - Purchase plan.

Turn YOUR Surplus Equipment into CASH—Now

FIRST MACHINERY CORP.
157 HUDSON ST. WOrth 4-5900 NEW YORK 13, N. Y

Send for Our Complete Bulletin

The above comprises only a partial listing. Send for our latest inventory Bulletin.

EQUIPMENT
for CHEMICAL AND ALLIED INDUSTRIES

1—Ball & Jewell #0 Stainless Steel Rotary Cutter, complete with motor.

2—A. T. & M. 48" Stainless Steel Centrifuges, solid basket.

1—A. T. & M. 54" Stainless Steel Centrifuge, solid basket.

1—Fletcher 20" Stainless Steel Centrifuge, perforated basket.

1—Fletcher 20" Steel Centrifuge, solid basket.

5—Sharples Stainless Steel Super Pressurite Centrifuges, Model 16 Y.

1—Sharples Stainless Steel Super D Canter, Model #PN-14.

1—Niagara #200 Filter, Stainless Leaves.

1—Sparkler Monel Jacketed Filter, Model 33-S-26.

1—Sparkler Steel Filter, Model 33-D-7.

1—Mikro Pulverizer #2-TH, Bronze and Stainless Steel construction, complete with motor.

2—Shriver Filter Presses, 36" x 36" Plate & Frame, Closed Delivery, 25 & 26 Chambers.

1—Shriver Evedur Filter Press, 42" x 42", Closed Delivery, 41 Chambers.

1—Sperry Heresite Covered Filter Press, 36" x 36", Closed Delivery, 17 Chambers.

1—Sperry Heresite Covered Filter Press, 36" x 36", Open Delivery, 42 Plates.

2—Stainless Steel Jacketed Kettles, 150 gals. cap. each.

1—Stainless Steel Jacketed Vacuum Reactor, 58 gals. cap.

1—Stainless Steel Jacketed Vacuum Reactor, 550 gals. cap.

1—Storage Tank, Type 316 Stainless Steel, 1500 gals. cap.

R. GELB & SONS, INC.
UNION, N. J. Est. 1886 Unionville 2-4900

AUTOCLAVE
42" DIA x 24' VERTICAL WELDED
Inspected and Approved For 400 lb. Pressure

EMSCO EQUIPMENT CO.
AFFILIATE OF EMIL A. SCHROTH
73 Hyatt Ave., Newark 5, N. J.
Phone: Mitchell 2-3536

Mills: Lehman 5 roll water cooled 12x32.
Paint Mixers: O&T, Kestner & Hecht, Day.
Paint Mills: Day, Lehman, etc., solid rolls.
Pwdr. Mixers: ribbon, tumbler, 50 to 3000#.
Dough Mixers: sgl. or dbl. arm, pl., jktd.
Fillers: powder, liquid, paste.
Kettles: stainless, steel—jktd., plain.
Labelers: spot, can—auto. semi.
Baker Perkins Mixers, style VIH, jktd., tilting, 100 gal. working capacity.
Highest class reconditioning—done in our own shops. We also purchase entire plants or single items.

NEWMAN TALLOW & SOAP MACHINERY CO.
1051-1059 W. 35th St. Chicago 9, Ill.

FOR SALE

2—Motor Driven #2SI Mikro Pulverizers, Practically Brand New.
1—Baker-Perkins 100 Gal. S.S. Mixer, double-arm, sigma blades, motor driven.
1—Day #2 75 Gal. Brighton Mixer.
5—Pebble Mills, 40 to 500 Gal.
10—Pony Mixers, 8, 15, and 40 Gal.
1—Eppenbach Stainless Steel Home Mixer with a 7½ hp Explosion-Proof Motor.
HIGH SPEED Roller Mills, 9"x24" to 16"x40".
3—8" Premier Colloid Mills, watercooled.

Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY
249 Orient Ave., Jersey City 8, N. J.
DElaware 2-6695-6

NEW AND GOOD-AS-NEW EQUIPMENT

Stainless Steel Tanks, new, 100 and 200 gal.
2—360 gal. #316 Stainless Tanks—new.
1—Stainless Tank, No. 430 Chrome, vert. 7' dia., 10' deep, dished bottom, ¾ plate.
20—Steam Jacketed Kettles, Stainless Steel, Copper & Aluminum, 5 to 250 gals.
1—Copper Evaporator, steam jacketed, 9'1"x3'9".
60—New Pressure Cookers, 18"x18" & 24"x28".
50—Pumps—steam and electric.
1—New Glass Nash Centrifugal Pump, 160 rpm at 40'.
1—Buflovak Impregnating Tank, 42"x52" steam jacketed, used one week.
1—Ribbon type Mixer, steam jacketed.
1—Model 16 Sharples Stainless Steel Centrifuge.
3—New Drum Rollers.
1—A. F. Bartlett Hog Mill & 7½ H.P. Motor.
1—Sweetland Filter No. 5, 15 leaves.
3—Stainless Steel Jacketed Filters.
2—Plate & Frame Filters, 25"—open del.
4—Tanks, 100,000 gals. each.
1—Shriver 18" Aluminum Filter, 9-plates, 9-frames—closed delivery.
4—Stokes Rotary Tablet Machines RD4.
10—New Sharples Oil Purifiers.
6—New Cleveon Can Filling Machines.

SPECIAL—:—6—3,000 gal. Steam Jacketed Kettles with Turbo Agitators.
1—Vibrox Barrel Vibrator.
1—150 gal. Steam Jacketed Closed Kettle, 150# w.p. on jacket, 200# inside, A.S.M.E.

H. LOEB & SON : - : 4643 LANCASTER AVE. PHILADELPHIA 31, PA.

You Can Bank on E.C.H.

FOR BETTER SERVICE

New Stainless Steel Mixers & Reactors Fabricated to your Specification.
3 Bird Young Filters, Rubber Covered—one new, two like new, 36"x15".
Buffalo 20 Shelf Vac. Dryer with surface condenser and vacuum pump.
3 Belgian Block Lined Pebble Mills, 54"x60" and 60"x72".
B&J Rotary Cutter, #1½ S.S. 40 HP.
Bambury #3 Mixer, 75 HP.
2 Ross Mammouth Pony Mixer, 50 Gal.
Bowen S.S. Spray Dryer, 7'x8½', complete with Atomizer.
2 Day Sifters, #71 S.S. Screen & S.S. Box.
Mikro #4 Pulverizer, 40 HP Motor.
Mifro #6 Atomizer with Collector.

WE BUY COMPLETE PLANTS OR SINGLE UNITS

Phone SOuth 8-4451—9264—8782

EQUIPMENT CLEARING HOUSE, INC.

289-10th ST., BKLYN 15, N. Y.

STEIN EQUIP'T OFFERS

DRYERS AND KILNS

1—Proctor & Schwartz 6 fan automatic 3 apron Conveyor Dryer.
2—Allbr. Nell 4'x9 Atmos. Drum Dryers.
1—Buffalo Vac. Drum Dryer, 24"x20". Also Rotary Vac. Dryers & Vac. Shelf Dryers.
6—Steam, gas & elect. Dryers. Tray & Truck.
8—Rotary Dryers. Direct & Indirect. Also Jacketed & Steam Tube.
New Rotary Dryers, Kilns and Coolers

CENTRIFUGALS AND CENTRIFUGES

6—Tolhurst 40" Suspended Type Centrifugals. Bottom Discharge.
8—Centrifugals, 20", 26", 30", 40" & 48", Steel, Copper. Stainless & Rubber.
11—Sharples No. 5A Stainless Centrifuges. 2 HP, also No. 6.
2—De Laval Multi Clarifiers. 300 & 301.

FILTERS

4—SPERRY 36"x36" CORNER FEED IRON FILTER PRESSES.
10—Sperry and Shriver, 7", 12", 18", 24", 30", 32", & 36" iron, bronze and wood filter presses.
Extra 36" Iron Sperry Plates & Frames.
Sweetland & Oliver Vac. Filters.
1—Vallez Filter #49 with 41 Stainless covered 44½" dia. leaves.

KETTLES AND TANKS

1—Steel ASME 275 PSI Closed Pressure Tank, 4½'x10'.
1—1,000 gal. vert. agitated Stainless Steel Tank.
Devine 1,000 gal. closed Jack.-Steel Kettle.
1—500 gal. Closed Jack Steel Kettle.
8—Jack Kettles, 50 to 1,000 gals.
1—250 gal. Lead lined Kettle.
Aluminum, Copper, Glass Lined Lead Lined Kettles and Tanks.
New Stainless Tanks, 50 to 500 gals.
Copper Varnish Kettles, 150 to 300 gals.

PULVERIZERS AND MILLS

6—Abbe Pebble Mills, 3x3½ & 6x8.
8—Abbe Jar Mills Lab. to 25 gals.
Ball & Jewell #0 Rotary Cutter.
1—Leominster #0 Rotary Cutter.
1—#32 Raymond Pulverizer 20 HP.
1#00 Raymond Mill 30 H.P., complete.
2—#0000 Raymond Mills.
1—Mikro Pulverizer 2DH, 10 HP.
Hammer Mills & Pulverizers, to 50 HP.
1—Sturtevant 42" Rock Emery Mill.
1—Robinson 22" B.B. Attrition Mill.
1—Lehman 4 roll WC., 12"x36" Steel Mill.
4—Lehman & Kent 3 Roll Steel Mills, 8"x22" 9"x32", 12"x30", 16"x40".
1—Monarch 9"x24" Steel Roller Mill, 3 pr. high. Also 7½x20, 4 Roll.
1—9"x24" 1 Pr. High Steel Roller Mill.
Houchin 18"x36" 4 Roll Granite Stone Mills.
1—U. S. Lab. Colloid Mill. 1½ HP.

MIXERS—ALL TYPES

Baker Perkins double arm Mixers 200, 9 & 4½ gals. Also single arm Mixers.
1—Century 2 HP 4 speed Vert. Mixer.
Patterson 3½ dia. Stainless Conical Blender.
1—Master Drum type 1000# Blender.
10—Dry Powder Mixers, 50 to 2,000 lbs.
Day 40 gal. Pony Mixer & other sizes.
15—Portable Elec. Mixers, ¼ to 2 HP.
6—Lead and Paste Mixers, to 150 gals.

SCREENS AND SIFTERS

1—Tyler 38 Jr. Hammer Screens, 20"x60".
1—Jeffrey 1 deck 18"x48" conveyor screen.

MISC. AND SPECIALS

4—Stokes & Colton Rotary and Single Punch Tablet Machines, ½ to 3".
4—French Oil 400 Ton Linseed & Cottonseed Hydr. Presses.
4—French Oil Motor Driven Expellers.
1—Stokes 2E Paste Filler.
3—Stokes and Day Powder Fillers. Filling Machines, liquid paste, powder.
2—Howe Mogul barrel and bag packers.
2—Revolving Pans, 30" & 36".
1—Gould 75 HP 2 stage centrif. Pump 250# WP.
4—Stokes Vertical High Vac. Pumps.
2—Worth 12"x12"x12" Vac. Pumps.
6—Devine & Buffalo Vac. Pumps.
Soap Machinery for Toilet, Laundry, etc. Centrif., Rotary, Duplex & Triplex Pumps, Boilers—Gas, Oil & Coal Fired.

WRITE FOR BULLETIN. WE BUY YOUR SURPLUS MACHINERY AND COMPLETE PLANTS

STEIN EQUIP'T CO.

90 WEST STREET, NEW YORK 6, N. Y.
WOrth 2-5745

ALWAYS YOUR OLD RELIABLE SOURCE

1—New Tolhurst 48" Stainless Steel Center Slung Centrifuge.
1—Buflovak 6' dia. Vacuum Crystallizer.
1—Buflovak Vac. Shelf Dryer, 12 Shelves, 42" x 42".
1—Stokes Vac. Dryer, 6 Shelves, 24" x 36".
1—Nickel Plated Drum, 48" x 46".
1—Stokes "R" Single Punch Press, M.D.
1—Stokes "DDS-2" Rotary Press, M.D.
2—Stokes "B-2" Rotary Presses, M.D.
1—Shriver 30" C.I. Filter Press, 36 Ch.
1—Shriver 42" C.I. Filter Press, 26 Ch.
10—Stainless Steel Agitated & Jacketed Kettles, 100, 125, 150, 950 gals.
10—Stainless Steel Tanks, 200 to 1,000 gals.
3—Aluminum Tanks, 1,500 gals., closed.
3—Aluminum Bubble Cap Columns, 27" and 36".
1—Day Cin. 100 gal. Double Arm Jack. Mixer.
3—Rotex Screens, 40" x 84" to 40" x 120".
5—Fitzpatrick "D" Comminutors Stainless Steel, M.D.
1—Mikro #2FF Pulverizer, S.S. & Brze. Const.
4—Steel Tanks, 5,000 & 10,000 gallons.

Bulletin A-29 Lists Over 400 More Desirable Items. Write for Copy.

We Buy Individual Items to Complete Plants.

The Machinery and Equipment Corp.

533 WEST BROADWAY
New York 12, N. Y. GRamercy 5-6680

FOR SALE FROM STOCK

8—3,000 gal. Horizontal Demountable Stainless Steel Truck Tanks, insulated and agitated.
1—2,000 gal. Stainless Steel Truck Tank, insulated.
40—Stainless Steel Tanks—30, 60, 100, 150 200, 300, 500, 1400, 2000, 3500, 5700 gal.
2—2,053 gal. Vertical Steel Yeast Tanks, 6'6" dia. x 7'4" H., copper coils.
1—Stainless Steel Kettle, Jktd. & Agit., 950 gal., T. 347.
50—Stainless Steel and Stainless Clad Steam Jacketed Kettles—10, 40, 60, 80, 100, 150, 200, 500 gal.
1—500 gal. Lead Lined Kettle, with cover jacket, coils & agitator.
1—Pfaudler 1 gal. glass lined Autoclave, 500# Pr., direct fired, agitated.
1—Glass-Lined Kettle, jktd., agit., cover, 50 gal.
1—Stainless Steel Still Pot, 275 gal., with 100 sq. ft. tube bundle, T316 St. St.
1—Stainless Steel Packed Column, 2' dia. x 6'8" H, T316.
1—Stainless Steel Tub. Condenser, 39 ft.
5—Stainless Steel Coil Condensers, 40 sq. ft.
3—Copper Shell & Tube Condensers, 75 sq. ft., 340 sq. ft.
2—Kux Rotary Pellet Presses, model 25. 21 & 25 punch.
7—Stokes Rotary Tablet Presses, B-2, D-3, D-4; 16-punch.
1—Fitzpatrick Model D Comminuting Machine, Stainless Steel.
1—Williams Hammer Mill, Size A, Type AK, Stainless Steel.
8—C. I. Filter Presses, 10" to 36".
1—Rotary Vacuum Filter, 8'x8' acid-proof, precoat.
1—Feinc Rotary Vacuum Filter, 4'6" dia. x 6' face, aluminum.
2—Sweetland Filters, #2 & #3.
2—Industrial F & P Mfg. Co. Pressure Leaf Filters, size 18x48 (68 sq. ft.) type RB (rubber lined tank, bronze leaves) with slurry tank, pump & motor.
1—Illinois Water Treating System, 500 GPH flow-rate, with Zeolite tank.
2—Stokes Jacketed Vacuum Rotary Dryers: No. 59A—18"D x 42"L; and No. 59B—3'D x 15'L.
1—Rotary Hot Air Dryer, 4'x36'.
2—Double Drum Dryers, 22"x36".
6—Horiz. Ribbon Type Powder Mixers—50 lb., 100 lb., 200 lb., 400 lb., 2,000 lb.

PERRY EQUIPMENT CORP.

1407 N. 6th ST., PHILADELPHIA 22, PA.

AUTOCLAVE — Nickel — 32" ID 5'6" Deep/600 psi; direct fired.
ROLLER MILL—Kent Lab 4" x 8" 3 roll wtr. cld.
PORCELAIN Lab. mill jars—NEW.
TANK, 12,000 gal., 8' x 32' hor.
DUST COLLECTOR, Dracco 4 compt. AA Perfecto, 1,080 sq. ft.
MILLS, Pebble — 30 x 20, 30 x 30, 48 x 60.
MILLS Hardinge 7' x 48", 8' x 22", w/motors.
PULVERIZERS — Wms. LGI — Raymond #1 w/cyclones.
JAW CRUSHERS—6 x 9, 8 x 14, 10 x 18, 14 x 26, 24 x 40.
ROLL CRUSHERS — 12 x 12, 16 x 10, 30 x 14, 42 x 16, 54 x 24.
FILTER PRESSES—24" x 72 lf-cntr. fd., 30" x 26 p/f 36" x 68 crnr. fd. rcsd. plt.
CENTRIFUGAL PUMPS—NEW, w/motors to 750 gpm.
PUMPS — Vacuum — IR — 4 x 4 x 2¾, Devine 10 x 10, Nash Hytor H-5.
KILNS, ROTARY, 24" x 18', 4½' x 40', 5' x 50', 6' x 80'.
EXHAUSTERS, 40 in stock to 90,000 cfm.

LAWLER COMPANY

LAWLER PLACE, METUCHEN, N. J.
METUCHEN 6-0245

FOR SALE

3-roll Mills: Day 12x32" slow speed.
Dryer: 36x80" double drum atmospheric.
Vacuum Pans: 6' stain. steel, 5' copper.
Pebble Mills: 4x5' Patterson buhrstone lined.
Reactors: 250 gal. stainless steel.
Kettle: 800 gal. copper closed, steam jack.
Kettles: Stainless steel—20 to 300 gal.
Mill: Hardinge 5'x36" buhrstone lined.
Clarifier: De Laval #600 multiple.
Oil Purifier: De Laval No. 600, 2 hp. motor.
Autoclave: 10 gal. Buflovak, cast iron.
Centrifugal: Fletcher 18" perf. basket.
Super-D-Canter: Sharples stain. steel, 15 hp.
Vacuum Pan: Stokes 25 gal. st. steel, jacktd.
Powder Mixers: Robinson 20 cu. ft., 5 hp.
Filter Press: 24" Shriver plate and frame.
Colloid Mills: Premier, Charlotte—st. steel.
Tanks: 3,000 gal. vert. dairy gl. lined jktd.

LOEB EQUIPMENT SUPPLY CO.
1925 W. North Ave. Chicago 22, Ill.

EXCLUSIVE-LY OURS! HENCE YOURS!

1—Sharples Super-D-Canter stainless steel type 316—10 HP XP motor—used 6 hrs.
1—Klein stainless steel 100 sq. ft. filter.
7—2500 gallon steel reactors—7' x 7'1 in the straight.
1—Stokes 625 gallon stainless steel jktd. & agit. vac. pan or reactor stainless coil.
1—Fitzpatrick mill, 3 HP—in excellent shape.
3—36" x 48" steel jacketed impregnators.
1—Stokes #37 rotary tablet press capable of making 3" x 4" pills—250 PM—MD.
2—Kux 60 & 74 tablet machines, up to 5½" diameter, one new.
1—2200 gallon stainless steel clad jacketed and agitated tank—3 HP turbine.
2—Baker Perkins 200 gallon 200 HP vacuum mixers.
1—Gehnrich electrically heated truck dryer—6' x 6' x 7'.

WHAT HAVE YOU FOR SALE?
WE BUY OR TRADE

CHEMICAL & PROCESS MACHINERY CORPORATION

146 GRAND ST. • NEW YORK 13
WOrth 4-8130

CHEMICAL EQUIPMENT BELOW OPS PRICES

CONVEYORS

104' centers, 10" wide belt, troughing.
24' centers, 10" wide belt, troughing.
56' centers, 16" wide belt, troughing.
37' centers, 16" wide belt, troughing.
475' centers, 18" wide belt, troughing.
300' centers, 18" wide belt, troughing.
29' centers, 18" wide belt, troughing.
96' centers, 30" wide belt, troughing.
50' centers, 42" wide belt, troughing.
Fuller Kinyon 5" Unit.
Apron 36"x36' centers.
6"x10' Screw, continuous.
9"x10' Screw, sectional.

BUCKET ELEVATORS

70'6" centers, 8"x5" buckets.
64' centers, 10"x6" buckets.
60' centers, 8"x6" buckets.
50'6" centers, 8"x5" buckets.
44' centers, 15"x12" buckets.
44' centers, 10"x6" buckets.
40' centers, 6"x4" buckets.
31' centers, 16"x8" buckets.
23' centers, 8"x5" buckets.
10'8" centers, 6"x4" buckets.

DRYERS

1106-35 Roto Louvre.
Tunnel Truck 9'x35'x9', cap. 14 trucks, comp.
Turbulaire N2 Spray, with filter.
Stokes, Rotary, Vacuum, 30"x8', Complete.
Vacuum Shelf #11 Devine, 170 sq. ft. surface.
Buflovak 5'x6' Atmos. single drum.
Stokes, 4'x9' Atmos. double drum.

DUST COLLECTORS

4700 CFM, Buell, type AC-136 9½AL (6).
4700 CFM, Buell, type AC-136 9½ AL, SS lined.
10,000 CFM, Birmingham, cyclone.
Schmieg Air Washer.

FEEDERS & SCREENS

Syntron, vibra-flow, type F350.
Jeffrey-Traylor type 4JT 155.
Allis-Chalmers electro magnetic, "Utah."
Fuller 8", star type (2 NEW).
Fuller 12"x13" rectangular.
Tyler-Hummer 4'x7' Vibrating Screen.

FILTERS

36" Shriver Press, washing, closed delivery, Celoron plates & frames.
36" open, 27 chambers, wood plates.
30" Sperry, Type 47, 26 chambers.
8'x12' Feinc, all steel.
8'x10' Oliver, wood & steel (3).
11'6"x18' Oliver, all steel.
4'x5' Oliver, SS & wood (2).
#7 Sweetland, 2" spacing, 28 leaves avail.

CENTRIFUGES

Tolhurst 40" perforated, bottom discharge.
Fletcher 40", SS, bottom discharge, perforated.
Bird 40"x60" Cont. solid bowl, rubber lined.
Bird 36"x50" Cont. solid bowl, rubber covered.
Bird 24" Cont. Type CH, Series 200.

MILLS

Four roll, Raymond.
Four cage, Stedman.
5'x22' Smidth, Tube.
6'x8' Patterson, Pebble.
6'x8' Abbe Style GPH, Pebble.
16"x40" Day, 3-roll, Ink.
Abbe Size 8 Grinding.
Kombinator, Flow Master K, Model 200.
L.B. Pug, 2' wide 12' long, double shaft (2).

KILNS—COOLERS—DRYERS

7'x60'x⅜" with lifters.
6'x14'x9/16" Struthers-Wells (2—NEW).
5'x67'x5/16" with lifters.
4'x25'x5/16" brick-lined.
4'x16'x⅜" Iowa with burner & stack.
25"x15'x⅜".
9'6"x85'x¾".
10'x90'x9/16" Allis Chalmers.
8'6"x110'x⅜".
9'6"x8'6"x200'x¾".
24"x24' Sincro Cooler.

PRESSURE VESSELS

8,200 gal. 6'x40'x2", 390 PSI.
3,500 gal. 5'x23'x¾", 200 PSI (4).
2,000 gal. 5'x13'7½", 106 PSI.
1,250 gal. 4'x14', 106 PSI.
1,200 gal. 42"x16'8"x5/16", 125 PSI.
1,050 gal. 4'x12'x½", 106 PSI.

TANKS

25,000 gal. 10'x40'x⅜" (2—NEW).
12,000 gal. 8'x32'x¼" (2—NEW).
8,500 gal. vert. 8'x23'x5/16" (NEW).
4,100 gal. vert. 5'x28'x¼" (NEW).
3,800 gal. 5'x21'6"x¼", type 430 SS.
2,300 gal. 5'x16'x¼", type 304 SS.
2,100 gal. 9'x3'6"x3/16" (2).
1,600 gal 8'x7'x3/16" (2)
1,100 gal. 5'x7'8"x¼".
6,500 gal. Tank Car Tanks.

MISCELLANEOUS

BLOWERS—From 1000 to 75,000 CFM.
BUILDING—27'x56'x27' clearance, bolted.
CONDENSER—Scraper—8'x15', aluminum.
KETTLES—40 gal. SS, jack't'd, 40# (6).
PUMPS—All sizes & capacities.
PIPE—HAVEG, KARBATE, ALUMINUM.
TABLET PRESSES—Colton.
REDUCERS & VARI-SPEED DRIVES.

KILNS

9'6"x85'x¾" shell.
10'x90'x9/16" Allis Chalmers.
8'6"x110'x⅜" shell.
9'6"x8'6"x200', ¾" shell.

PROPANE PLANT

Complete plant, Vaporizing and Mixing Equipment, including 18,000-gallon storage capacity in 3—6,000-gal. tanks, ASME U69, 200 PSI WP.

→ ABOVE IS ONLY PARTIAL LISTING OF OUR INVENTORY ←
ASK FOR BROCHURE

Heat and Power Co., inc.

70 PINE STREET HANOVER 2-4890 NEW YORK 5, N. Y.

MACHINERY & EQUIPMENT MERCHANTS

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE (Not Subject to Agency Commission)

ALL CLASSIFIED ADVERTISEMENTS—$5.00, thirty-six words or less; 85c. for each additional six words or fraction.

NO DISPLAY—First two words printed in bold face type.

COPY DEADLINE—Wednesday Noon Preceding Date of Publication.

Send replies to ads with box numbers to
OIL, PAINT AND DRUG REPORTER
30 Church st., New York 7, N. Y.

AGENCIES WANTED

Established Cincinnati firm covering Dayton, Columbus Indianapolis and Louisville would be interested in representing firms producing materials used in various industries, including paper, paint ink, soap and rubber. OPD 297.

EQUIPMENT OFFERED

Glass Lined Tanks, Manufactured by Pfaudler, 3000 and 4000 gallon, with fittings and agitator, 18"manhole, 4" cork insulation. Excellent for chemical and food processing, Quantity Available, must liquidate. Briggs & Turivas, Box 448 Imperial Pa

Stokes High Vacuum Pumps – 212C, water-cooled, 100 cfm; V-drive; used 3 months Satisfaction guaranteed Quantity available. some unused Price very reasonable, inspect. American Sales Co. 67 E. 8th St., New York N Y. GRamercy 3-1465

EQUIPMENT WANTED

Chemical Equipment wanted for defense plant work including autoclaves, centrifuges, dryers, filters, kettles, mixers, pulverizers and tanks. Also interested in set-up plants, now operating or idle. Give full particulars in first letter for consideration. OPD 325.

Jar Mill wanted. International, Abbe, U. S. Stoneware Roller type. Also need assorted jars, two quart to five gallons, stoneware or porcelain Also interested in Raymond laboratory mill and Raymond eight inch screen mill. OPD 338

Wanted—To Expedite Production—Process Machinery including Vacuum Dryers, Heavy Duty Mixers, Reaction Kettles, Columns, Rotary Filters, Filter Presses, Pulverizers, Packaging and Wrapping equipment, S/S and non-corrosive Storage Tankage. Will consider a set up plant now operating or shut down. When offering give full particulars. P. O Box 1351, Church St. Sta., New York 8, N Y.

FACILITIES OFFERED

Custom grinding to micron sizes. Pharmaceuticals, food products, abrasives, chemicals, minerals, waxes and resins. Avoid capital expenditures and royalties while developing new products sales. Use our experienced technical staff — micronizing equipment — mixing, packaging and shipping facilities. OPD 326.

Laboratory, completely equipped. Suitable Paints, Plastics, Drugs, etc. Complete facilities available for research, development and small scale manufacturing. Modern equipment. 2,000 square feet. Centrally located New York. Owners not using at present. Manufacturers or chemists requiring scope to develop ideas contact OPD 331.

MATERIALS OFFERED

Sulfur—approximately 350,000 pounds of agricultural dusts containing 70% to 80% sulfur blended with lead arsenate and/or DDT. OPD 327.

Drums, I.C.C. 5A C.W.S., with I-bar hoops. 350 reconditioned with ¾" and 2" bungs, FOB Newark, @ 6.00. 600 unreconditioned with two ¾" bungs (contained oil), FOB Dover, Ohio, @ $3.75. Sample orders filled. Dover Chemical Co., Dover, Ohio.

MATERIALS WANTED

Do not wait until conditions further limit prospects of disposing of top-heavy inventories; will purchase surplus unshipped commodities, all kinds. Particularly interested in pigments, chemicals, dyes, colors, waxes, drugs, pharmaceuticals, etc. OPD 328.

PLANTS OFFERED

For Sale: Complete chemical manufacturing plant ideal for production of fine pharmaceuticals on a large scale. Write OPD 319.

PLANTS WANTED

Chemical Plant with or without equipment wanted in New York Metropolitan Area. OPD 332.

Manufacturing company wanted by individual. Must be well established and show record of growth and fair profits. Annual sales $250,000 to $1,000,000. Will buy entire or controlling interest. Reply held very confidential. OPD 337.

Wanted—Complete plants; also machinery. **Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole, or in part Personnel retained where possible Strictest confidence** Box 694, 1474 Broadway New York 18, N Y.

POSITIONS OFFERED

Chemist: Experienced adhesives, vinyl and thermoplastic field, having laboratory facilities for part time development and research. Retainer and bonus basis. Metropolitan area. OPD 330.

Sales Manager—Essential Oils, Fine Chemicals, Botanicals—qualified, aggressive, capable, trading knowledge helpful Old established firm, New York. Give full particulars. Please reply OPD 336.

POSITIONS WANTED

Purchasing Agent 15 years executive purchasing experience with large industrial chemical manufacturers with multiplant operations. Experience pharmaceuticals. Thorough knowledge sources, procedures. Excellent relationships with leading chemical producers and allied firms. Good organizer, administrator. Chemistry degree, age 36, married. OPD 329.

Pharmaceutical General Manager, 16 years successful background production, research, sales, advertising, export—medium sized firms, varied lines. Age 37. Graduate. Available now. $12 000 yearly. OPD 333.

Doctor of Chemistry with ten years' experience in foreign trade and thorough knowledge of European markets and languages desires position in Foreign Department of a progressive American firm; willing to travel and work overseas. Apply: Etablissements Saturne, 3841 Linton Ave., #3, Montreal, Canada.

REPRESENTATIVES WANTED

Manufacturer of Organic Dry Colors wants established Brokerage Firm to represent them Cleveland territory including Northwestern New York, Western Pennsylvania and most of Ohio. Should be familiar with Printing Ink and Carbon Paper Trades particularly. OPD 334.

Agents and distributors wanted in various territories by established manufacturer to sell line of bulk chemicals and specialties to textile and paper mills, laundries, tanneries, soap and wax product manufacturers, metal finishers. Reply to OPD 335.

Vita-Var Adds Six

Vita-Var Corporation, Newark, N. J., has added to its sales personnel the following:—Kenneth B. Johnston, for the western section of New York state and northern Pennsylvania; Vero Ajello, for Union and Hudson counties in New Jersey and Staten Island, N. Y.; E. O. Sinisi, for metropolitan New York and Westchester county; George F. Terriault, for eastern New York state; William E. Kelchner, for Nassau and Suffolk counties, N. Y., and William E. Mattehws, jr., for Rhode Island and part of Massachusetts.

Current Prices

—Continued from page 33

Zinc naphthenate, liquid, 8% Zn. frt. alld	lb.	.23½	—
10% Zn, dms., frt. alld	lb.	.28½	—
Oleate tused	bbls	36	—
Oxide, pigment, dom., acicular, bgs., c.l., dlvd	lb.	.176	—
l.c.l., dlvd	lb.	.186	—
American process, com'l, lead free bgs. c.l., dlvd	lb.	.176	—
l.c.l., dlvd	lb.	.186	—
leaded, 35%, bgs., c.l., dlvd	lb.	.1815	—
l.c.l., dlvd	lb.	.1915	—
50%, bgs., c.l., dlvd.	lb.	.1835	—
l.c.l., dlvd	lb.	.1935	—
French process, com'l, green seal, bgs., c.l., dlvd	lb.	.1935	—
l.c.l., dlvd	lb.	.2035	—
red seal, bgs., c.l., dlvd.	lb.	.1885	—
l.c.l., dlvd	lb.	.1985	—
white seal, bgs., c.l., dlvd	lb.	.1985	—
l.c.l., dlvd	lb.	.2085	—
USP, ctns., c.l., dlvd	lb.	.2085	—
l.c.l., dlvd	lb.	.2185	—
Zinc oxide Pac. coast prices 1c. higher; prices ¼c higher than bgs			
Phenolsulphonate, NF, gran., dms.	lb.	.39	—
powd., dms.	lb.	.42	—
Resinate precip dms. frt. alld	lb.	.26	—
Silicofluoride, bbls., works	lb.	.13	.14
Stearate, tech., USP, ctns., c.l	lb.	.37	—
ton lots	lb.	.38	—
less ton lots	lb.	.39	—
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt alld 100 lbs.		6.85	—
l.c.l., same basis 100 lbs.		7.25	9.75
flake, 25½%. Zn, bgs., c.l., works 100 lbs.		6.05	—
l.c.l., works 100 lbs		6.45	8.95
powdered, 36% Zn bgs., c.l., frt. alld 100 lbs.		9.95	-10.45
l.c.l., same basis 100 lbs.		10.70	-11.20
Zinc sulphate in bbls., 40c. higher.			
USP, gran. dms	lb.	.28	—
Sulphide, pure, bgs. c.l., dlvd	lb.	.253	—
fluorescent, fiber dms., under 1,000 lbs., works	lb.	1.10	1.90
phosphorescent, fiber dms., under 1,000 lbs., works	lb.	1.85	2.50
Thionosulphonate NF gran. bbls., dms	lb.	.33	.34
powd bbls	lb.	.36	.37
Undecylenate, dms	lb.	2.25	2.50
Yellow (see Yellow, zinc).			
Zinc-ammonium chloride, bgs., c.l., works 100 lbs.		8.60	—
l.c.l., works 100 lbs.		9.00	-11.50
Zinc-cadmium sulphide, fluorescent fiber dms., under 1,000 lbs., works	lb.	2.10	2.90
Zinc-calcium resinate, dms., c.l., works	lb.	1180	.1360
l.c.l., same basis	lb.	.1220	.1400
Zinc-formaldehyde sulphoxylate, basic, dms., c.l.	lb.	.25½	—
l.c.l.	lb.	.26	.41¼
normal, dms., t.c.l., works	lb.	.52	—
Zircon, (G), granular, bgs., c.l., works	lb.	.03⅛	—
5 tons to c.l., works	lb.	.03⅛	—
1 ton to 999 lbs., works	lb.	.03⅜	—
500 lbs to 1,999 lbs., works	lb.	.04	—
less than 500 lbs., works	lb.	.06½	—
milled, bgs., c.l., works	lb.	.04⅛	—
5 tons to c.l., works	lb.	.04⅛	—
1 ton to 999 lbs., works	lb.	.04⅜	—
500 lbs. to 1,999 lbs., works	lb.	.05	—
less than 500 lbs., works	lb.	.07½	—
Zircon (G) in barrels, ¼c. higher.			
Zirconium acetate 13% sol ZrO₂, c.l., 30,000 lbs. minimum works	lb.	.23	—
Carbonate basic, cake bbls., works	lb.	No prices.	
Hydride, cns., works	lb.	7.50	-10.00
Nitrate, dms., ex whse	lb.	4.50	-7.00
Oxide, 98½-99% white, grd., bbls. or bgs., works	lb.	1.50	—
lump, electric-fused, bgs., c.l., works	lb.	.44	—
5 tons, works	lb.	.44½	—
1 ton to 9,999 lbs., works	lb.	.45	—
300 lbs. to 1,999 lbs., works	lb.	.45½	—
less than 500 lbs., works	lb.	.48	—
milled, electrifused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½	—
1 ton to 9,999 lbs., works	lb.	.60	—
500 lbs. to 1,999 lbs., works	lb.	.60½	—
less than 500 lbs., works	lb.	.63	—
Oxychloride, cryst., ctns., 5 tons, works	lb.	.32¼	—

BUY BEST in the WEST

Bird Continuous Centrifugal, 36"x50" S.S.
A.T.&M. 30" Centrifugal, solid basket.
Sharples Super 16 S.S. Clarifiers (16).
Sharples Vaportite Centrifugals, type 2.
Fitzmill Model D, S.S. contact, 7½ HP.
Patterson Pebble Mill, 2'6"x3'6".
Moore Ball Mill, jacketed ends, 4'x5'.
Hy-R-Speed Mill with 30 H.P. Ex pf. motor.
Day 3 Roll Water Cooled Mill, 12"x30" (2).
Buflovac Double Drum Dryer, 42"x120".
Pfaudler G1 Ld Reactor, 500 gal. jktd. agit.
Albright-Nell Chill Rolls, 60"x80" (2).
Charlotte Colloid Mill with 30 H.P. Motor.
Mueller Horizontal Pug Mill with 15 HP.
Raymond Whizzer mech air Separator, 4'size.
Majonnier 24 Spout Rotary Vacuum Filler.
Geyer 4 Piston Filler, Pts. & Quarts.
World B-Line Labeler duplex Front & Back.
New Jersey Pony Labelrite (3).
Resina Capper, single head for 28 MM caps.
Tyler Hummer Screens, 3 Deck, 3'x5'.
Abbe Bluttergess Turbine Sifter, 3 HP.
Rotex Sifter, 60"x120", double deck.
Sweetland #12 Filter, 48 lvs. on 3" centers.
Sparkler 55 Filter, model 33-D-17.

Partial List Only — We Buy Your Surplus

MACHINERY AND EQUIPMENT CO.
514 BRYANT STREET SAN FRANCISCO 7, CALIF.

FOR SALE
FIBRE DRUMS
(NEW)

Made by Emery-Carpenter Container Company. Have wooden tops and bottoms. Items 1 and 2 are heavy construction intended for export.

433 No. DX-30 size 17-7/8" x 28-3/4"
31 gallon capacity.
502 No. BX-25 size 13-7/8" x 23-3/4"
15 gallon capacity.
1806 No. B-25 size 13-7/8" x 23-3/4"
15 gallon capacity.
80 No. D-30 size 17-7/8" x 28-3/4"
31 gallon capacity.

Available for immediate shipment from Chicago

ARTHUR S. LaPINE & COMPANY
121 WEST HUBBARD ST. CHICAGO 10, ILL.
Phone: WHitehall 4-1830

DRUMS

• Full removable head containers.

Where added strength and security are needed use our "Bolted Ring Seal" drum supplied in sizes from 10 to 70 gallons. Suitable for solids and semi-liquids. Consult us freely on your packaging problems.

a complete line of light gauge containers

EASTERN STEEL BARREL CORPORATION
Bound Brook New Jersey

AVAILABLE . . .

CUSTOM REFINING FACILITIES . . .
- **Distillation**
- **Extractions**
- **Separations**
- **Fractionations**

Drum Lots—Tank Cars

WANTED . . .
- **All Types of Crude Mixtures**
- **By-Products, Residues, Wastes**
- **Contaminated Solvents**

TRULAND
CHEMICAL & ENGINEERING CO., INC.
Box 426, Union, N. J. UNionville 2-7360

Keep 'em rolling . . . not rusting

For Sale

Steel storage tanks and complete tank cars, 6,500 to 12,000 gallons capacities, coiled and non-coiled.

Marshall Railway Equipment
Corporation
50 Church St., New York 7, N. Y., CO 7-8090
Cable MARAILQUIP

12,000 GALLON
RUBBER LINED STEEL TANK
FOR SALE

Suitable for storing liquid alum or similar liquids. Rubber lining just renewed by manufacturer. Steel shell in A-1 condition. Immediate delivery without priority and reasonably priced. Can be inspected in Savannah, Ga.

BARNES ENGINEERING SALES CO.
P. O. Box 1092 Phone 4-5151
Savannah, Ga.

— NEW —
STAINLESS STEEL EQUIPMENT

Reactors: Autoclaves: Stills: Single Shell Tanks: Jacketed Tanks: Double Motion Agitator Tanks: Shell and Tube Condensers: Ribbon Mixers: Filter Presses.

EXCELLENT DELIVERY ON MOST ITEMS
Buy Direct from Manufacturer
Vessels to ASME Code or Your Own Specifications
BOX: 315, OIL, PAINT & DRUG REPORTER
30 Church Street, New York 7, N. Y.

WANTED—SURPLUS

Chemicals, Pharmaceuticals, Botanicals, Oils, Solvents, Pigments, Colors, Waxes, Essential Oils, Aromatics, etc.
Wastes — Residues — By-Products

Chemical Service Corporation
88 BEAVER ST., NEW YORK 5, N. Y.

WANTED
BY HIGH GRADE EASTERN CHEMICAL COMPANY

Top Flight Representative to sell **ALUMINUM STEARATE, ZINC STEARATE and ZINC OXIDE** on commission basis.
Can produce in large volume to customer specifications.

All replies held strictly confidential.

Address BOX 301, OIL, PAINT & DRUG REPORTER, 30 Church St., New York 7, N.Y.

Advertising Index

Aceto Chemical Co., Inc. 54
Albek, Albert, Inc. 23
Albemarle Paper Mfg. Co. 68
Alkydol Laboratories, Inc. 45, 59, 68, 71
Allaire, Woodward, Inc. 62
Allied Asphalt & Mineral Corp. 66
American Agricultural Chemical Co. 1
American Cyanamid Co., Industrial Chemicals Div. 38
American Flange & Mfg. Co., Inc. 8
American Key Products, Inc. 49
American Mineral Spirits Co. 45
American Potash & Chemical Corp. 54
Ashcraft-Wilkinson Co. 27
Atlas Powder Co. 13

Baird, J. M., Co., Inc. 40
Baker, J. T., Chemical Co. 1, 50
Barcan, Irving, Co. 76
Barclay Chemical Co. 40
Barnes Engineering Sales Co. 78
Barrett Division. 42, 46
Belgameric, Inc. 41
Benzol Products Co. 56
Better Finishes & Coatings, Inc. 39
Birch Products Corp. 39
Blackman Brands, Inc. 52
Blockson Chemical Co. 49
Bower, Henry, Chemical Mfg. Co. 38
Bowman, Charles, & Co. 54
Brill Equipment Co. 75
Brode Corp., The 73
Brothers Pharmacal Co. 58
Browning, F. M., Co. 36

Caldwell Chemical Co. 41
Calif. Fruit Growers Exchange, Products Dept. 24
Canton Containers, Inc. 71
Capital City Products Co. 73
Carbide & Carbon Chemicals Co., Div., Union Carbide & Carbon Corp. 2, 54
Celanese Corp. of America, Chemical Div. 19, 80
Chematar, Inc. 48
Chemical By-Products Co. 48
Chemical & Process Machinery Co. 77
Chemical Service Corp. 38, 78
Chemical Solvents, C. P., Inc. 80
Church & Dwight Co., Inc. 36
Cleveland Steel Barrel Co. 45
Coaltar Chemicals Corp. 48
Coleman & Bell Co. 59
Columbia Southern Chemical Corp. 36
Commercial Solvents Corp. 12
Concord Chemical Co. 33
Consolidated Products Co., Inc. 75
Consulting Chemists and Engineers. 74
Cornwell Chemical Corp. 80
Coupe, Robert A. 41
Crosby Chemicals, Inc. 68
Croton Chemical Corp. 38

Dawe's Vitamins, Inc. 52
Diamond Alkali Co. 42
Dicalite Division, Great Lakes Carbon Corp. 68
Dickerson Company 42
Diehl, Wm., & Co. 73
Distillation Products Industries, Div. of Eastman Kodak Co. 59
Dodge & Olcott, Inc. 65
Dow Chemical Co. 20
Dreyer, P. R., Inc. 64
Duff Chemical Co., Inc. 38, 68
Dura Commodities Corp. 72

Eastern Steel Barrel Co. 78
Elbert & Co., Inc. 30
Emsco Equipment Co. 76
Equipment Clearing House, Inc. 77
Esmond Chemical Co. 71

Fairmount Chemical Co., Inc. 65
Felton Chemical Co., Inc. 22
Ferro Chemical Corp. 73
Fezandie & Sperrle 48
Fine Organics, Inc. 74
First Machinery Corp 76
Florasynth Laboratories, Inc. 63
Freeport Sulphur Co. 43
Fritzsche Brothers, Inc. 63, 70
Fulton Bag & Cotton Mills 41

Gallard-Schlesinger Chemical Co. 55
Gane's Chemical Works 57
Gas Purifying Materials Co. 40
Gelb, R., & Sons, Inc. 76
General Biochemicals, Inc. 73
General Color Company 70
Gray, William S., & Co. 1
Greeff, R. W., & Co. 53
Gross, A., & Co. 73
Gruman, J. B., Co. 59

Hall, The C. P. Co. 71
Hardesty, W. C., Co. 72
Heat and Power Co., Inc. 77
Hercules Powder Co. 70
Hexagon Laboratories, Inc. 59
Heyden Chemical Corp. 54
Hoffmann-La Roche, Inc. 31, 51
Hopkins, J. L., & Co. 61
Hutchinson, D. W., & Co., Inc. 63

Indoil Chemical Co. 66
Industrial Raw Materials Corp. 44
Inland Alkaloid Company 53
Innis, Speiden & Co. 6
Internatio-Rotterdam, Inc. 72, 79
International Minerals & Chemical Corp. 26

Jefferson Chemical Co. 18
Johnson, H. M., Inc. 71

Kelco Company 61
Kessler Chemical Co., Inc. 66
Koch, Robert F., Co. 48
Kolon Trading Co., Inc. 40
Koppers Company, Inc. 47

La Pine, Arthur S., & Co. 78
Lawler Company 77
Lead Industries Association 21
Leffingwell Chemical Co. 69
Lemke, B. L., & Co., Inc. 57
Lever Brothers Company 52
Loeb, H., & Son 76
Loeb Equipment Supply Co. 77
Loughlin, William C., & Co. 71
Lucidol Corp. 58

Machinery & Equipment Corp. 77, 78
Magnus, Mabee & Reynard, Inc. 63
Mallinckrodt Chemical Works. 69
Mantrose Corporation 69
Marine Magnesium Products Corp. 56
Marshall Railway Equipment Corp. 78
McKesson & Robbins, Inc. 53
Miel, George A., Co., Inc. 73
Monsanto Chemical Co. 25
Mutchler Chemical Co., Inc. 73
Mutual Chemical Co. of America 49

National Alfalfa Dehydrating & Milling Co. 52
National Rosin Oil Products, Inc. 68
Natural Products Refining Co. 49
Naugatuck Aromatics Div. of United States Rubber Co. 64
Nelson-Wells & Co. 52
Neuberg, William D., Co. 48
Neville Company 67
Newman Tallow & Soap Machinery Co. 76

Ohio-Apex, Inc. 68

Pacific Coast Borax Co. 1
Parsons-Plymouth, Inc. M. W. 66
Penick, S. B., & Co. 60
Pennsylvania Industrial Chem. Corp. 67
Pennsylvania Refining Company 45
Perry Bros., Inc. 48
Perry Equipment Corp. 77
Peters, L. D., & Sons 40
Pfizer, Chas., & Co., Inc. 35
Philipp Brothers Chemicals, Inc. 37
Philipp Brothers, Inc. 37
Pittsburgh Coke & Chemical Co. 70
Polak & Schwarz, Inc. 65
Polak's Frutal Works 64
Potash Co of America 43
Prentiss Drug & Chemical Co., Inc. 59
Prior Chemical Corp 1
Procter & Gamble 52
Produce Import & Export Co. 62
Publicker Industries, Inc. 10
Purocaine, Inc. 54

Read, Chas. L., & Co., Inc. 41
Reichhold Chemicals, Inc. 28
Reinhart Chemical Corp. 48
Republic Steel Corp. 47
Richmond Chemical Co. 59
Richter, Gedeon, Pharmaceutical Prods., Inc. 57
Rimco Trading Corp. 73
Rosen, Ralph 57
Rosenthal Bercow Co., Inc. 80
Roure-Dupont, Inc. 64
St. Joseph Lead Co. 69
Schrijvers, Florent M. L. 40
Schuylkill Chemical Co. 54
Schwarz Laboratories, Inc. 52
Seldner & Enequist, Inc. 40
Sergeant, E. M., Pulp & Chemical Co. 40
Shamrock Chemicals Corp. 62
Sharples Chemicals Inc. 1
Shell Chemical Corp. 17
Shell Oil Co., Inc. 44
Smith Chemical & Color Co., Inc. 80
Snell, Foster D., Inc. 39
Solvay Sales Div., Allied Chemical & Dye Corp. 29
Spencer Chemical Co. 41
Standard Collapsible Tube Co. 70
Stauffer Chemical Co. 41
Stein Equipment Co. 77
Strohmeyer & Arpe Co. 72
Strong Cobb, Inc. 15
Synthetic Products Co. 71
Syntomatic Corp. 65
Tar Residuals, Inc. 48
Tennessee Corporation. 40, 43
Tennessee Eastman Company. 16
Thompson-Hayward Chemical Co. 38
Thurston & Braidich. 62
Todd, A. M., Co. 63
Tombarel Products Corp. 64
Truland Chemical & Engineering Co. 78
Union Carbide & Carbon Corp., Carbide & Carbon Chemicals Co. Div. 2, 54
Union Standard Equipment Co. 75
United Distillers of America, Inc. 52
U. S. Industrial Chemicals, Inc. 11
United States Potash Co., Inc. 42
Universal Petroleum Co. 45
van Ameringen-Haebler, Inc. 65
Verona Chemical Co. 64
Warwick Wax Company, Inc. 32
Wax & Rosin Products 73
Will & Baumer Candle Co., Inc. 72
Wilner Wood Products Co. 70
Wilson-Martin Div. 72
Wolf, Jacques, & Co. 62
Wurster & Sanger, Inc. 73
Zinsser & Co. Inc. 41

MCA and Air Pollution

—Continued from page 5

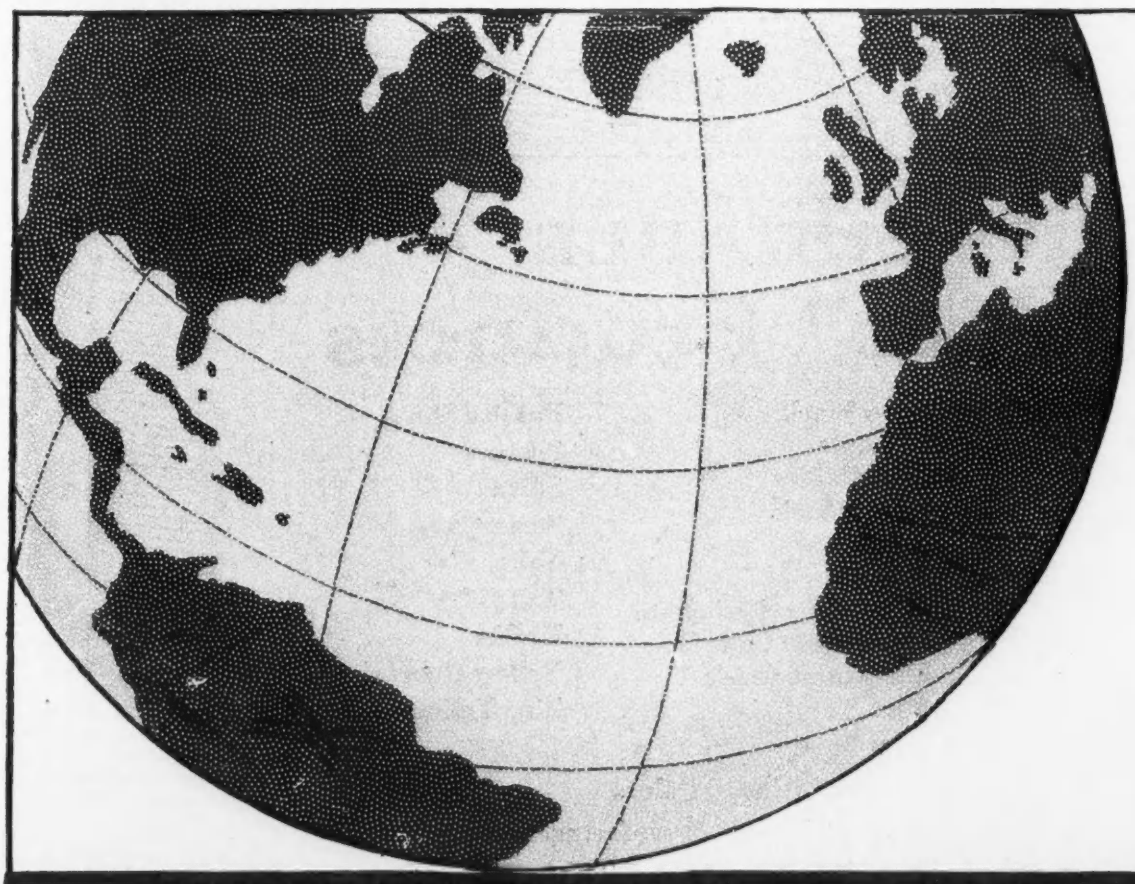
lem because it may affect the health, comfort or use of property. Progress is being made in scientific methods for measuring some contaminant concentrations continuously and all contaminants by short-term sampling procedures."

In planning new processes and plants, he urged industry to consider air pollution and use the modern techniques that are being made available to forestall this difficulty.

Wind tunnel experiments with small scale models of factories are giving scientists new information on how smoke can be effectively dispersed, Dr. Gordon H. Strom, associate professor of aeronautical engineering at New York University, told the conference.

Dr. Strom reported that the wind tunnel work has given a better understanding of the effects of building shapes and air movements on the behavior of smoke issuing from stacks. Attempts to duplicate the temperature and turbulence of air in the scale model are underway. Imitating the momentum of smokestack gases is expected to yield valuable information, Dr. Strom said

Other speakers at the conference were George E. Best, chairman of the association's legislative committee; Dr. R. H. Daines, secretary of the New Jersey Committee; Dr. D. S. Bergsma, New Jersey Commission of Health Discussion; C. A. Bishop, research associate of the United States Steel Company, and Dr. George R. Hill, American Smelting & Refining Company.



IMPORTERS and DEALERS IN

TUNG OIL
OITICICA OIL
ESSENTIAL OILS
NATURAL RESINS
(Copal and Damar)
GUM ARABIC
TAPIOCA FLOUR
(Java and Brazil)
PEPPER and SPICES
STRAITS TIN
SPOT and FUTURES

INTERNATIO-ROTTERDAM, Inc.
61 BROADWAY, NEW YORK, N. Y. • WHitehall 3-3200
351 CALIFORNIA ST., SAN FRANCISCO • YUkon 6-6226

INTERNATIO-ROTTERDAM, INC. NEW YORK

PLASTICIZERS

Dibutyl, Diethyl and Dimethyl Phthalates - Tricresyl Phosphate

CHEMICAL SOLVENTS INCORPORATED

WOrth 2-7763 • MArket 2-3950 60 PARK PLACE NEWARK 2, N. J.

DRUGS
CHEMICALS

YOUR CONTACT WITH THE WORLD'S MARKETS — ESTABLISHED 1918

OILS
WAXES

GLYCINE N. F.
(AMINO ACETIC ACID)
MONOCHLORACETIC ACID
SODIUM CHLORACETATE
SODIUM ACETATE ANHYDROUS

ROSENTHAL BERCOW CO., INC.
25 EAST 26th STREET, NEW YORK 10, N. Y.
Cable Address "RODRUG" All Codes

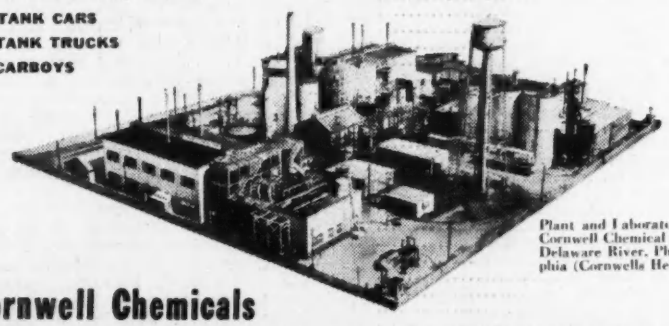
SULPHURIC • MURIATIC • NITRIC

60° 66° 98% 100%
also Diamond and Crystal Quality

20° Bé
Diamond Grade

36° 38° 40° 42°

TANK CARS
TANK TRUCKS
CARBOYS

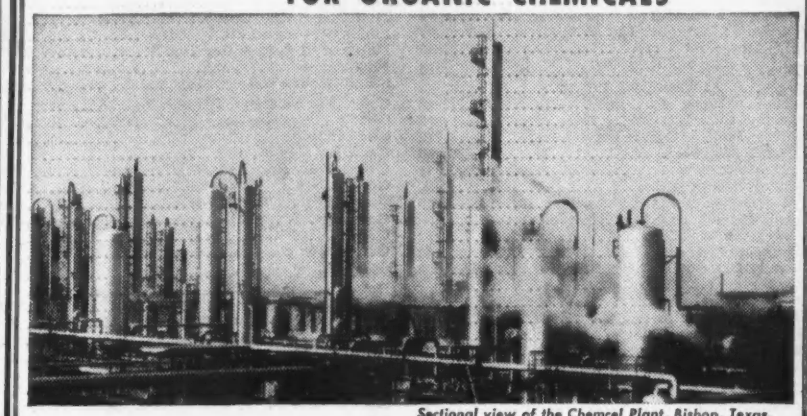


Plant and Laboratories of Cornwell Chemical on the Delaware River, Philadelphia (Cornwells Heights).

Cornwell Chemicals

PATERSON, N. J., LAMBERT 5-2495 • CORNWELLS HEIGHTS, PA., TORRESDALE (Phila.) 4-7258

LOOK TO Celanese
FOR ORGANIC CHEMICALS



Sectional view of the Chemcel Plant, Bishop, Texas.

FORMALDEHYDE
PARAFORMALDEHYDE
FORMCEL†
ACETALDEHYDE
ACETIC ACID
ACETONE
METHANOL

NORMAL PROPANOL
BUTYL ALCOHOLS
BUTYLENE GLYCOLS
PROPYLENE GLYCOL
DIPROPYLENE GLYCOL
PROPYLENE OXIDE
TRICRESYL PHOSPHATES
SPECIAL SOLVENTS

Celanese® CHEMICALS

CELANESE CORPORATION OF AMERICA
Chemical Division
180 Madison Avenue, New York 16, N. Y.

*Reg. U. S. Pat. Off.
†Trademark

Effectively Serving the Industries
For Over Three Decades

DEPENDABLE
"Smithko" Products

Barytes
Bentonite
Blanc Fixe
Blues
Browns
Calcium Carbonate
Chrome Oxides
Clays
Copper Oxides
Drop Black
Gilsonite
Iron Oxides
Lamp Black
Lime
Magnesite
Magnesium Carbonate
Magnesium Chloride
Manganese Oxide
Mica
Pumice Stone
Siennas
Silica
Stearates
Talcs
Tall Oil
Umbers
Yellow Ochres
Zinc Yellow

• • • • •

Fabricators of Mineral Colors
Agents for Nationally-Known Manufacturers
Available Technical Data Upon Request

SMITH CHEMICAL & COLOR CO.
INCORPORATED 1919
55 John Street Brooklyn 1, New York